

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054765.D
 Acq On : 29 Mar 2019 12:38
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	576691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	285686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364990	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.59	113	290264	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	1105519	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	343021	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1572	0.27	ug/l	99
5) Bromomethane	2.58	94	1141	Below	Cal #	67
7) Trichlorofluoromethane	3.03	101	1831	0.21	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1607	0.37	ug/l #	79
12) 1,1-Dichloroethene	3.73	96	1309	0.29	ug/l	82
13) Acrolein	3.62	56	1252	3.46	ug/l #	83
15) Acrylonitrile	5.00	53	2584	1.15	ug/l #	78
16) Acetone	3.83	43	1495	0.81	ug/l #	69
17) Carbon Disulfide	4.04	76	13499	0.92	ug/l	98
18) Methyl Acetate	4.33	43	1678	Below	Cal #	70
20) Methylene Chloride	4.54	84	1526	0.23	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	2051	0.34	ug/l #	76
27) cis-1,2-Dichloroethene	6.83	96	1634	0.24	ug/l	41
29) Tetrahydrofuran	7.23	42	1243	0.65	ug/l #	49
31) Cyclohexane	7.66	56	14238	Below	Cal #	21
36) 1,1-Dichloropropene	7.79	75	2967	0.36	ug/l #	85
38) Carbon Tetrachloride	7.67	117	53503	6.53	ug/l #	16
39) Methylcyclohexane	9.08	83	2751	0.30	ug/l #	82
44) Trichloroethene	8.84	130	2058	0.33	ug/l	98
48) Methyl methacrylate	9.21	41	1245	0.23	ug/l #	68
49) 1,4-Dioxane	9.20	88	166	3.07	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6725	1.19	ug/l	91
56) Ethyl methacrylate	10.43	69	1588	0.23	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.71	63	922	10.65	ug/l #	58
59) 2-Hexanone	10.75	43	12223	3.38	ug/l	95
64) Tetrachloroethene	10.63	164	2491	0.42	ug/l	97
65) Chlorobenzene	11.43	112	3786	0.25	ug/l	98
67) Ethyl Benzene	11.51	91	6114	0.22	ug/l	90
68) m/p-Xylenes	11.62	106	5380	0.53	ug/l	97
70) Styrene	11.97	104	4189	0.26	ug/l	95
73) Isopropylbenzene	12.25	105	6521	0.28	ug/l	96
74) N-amyl acetate	12.07	43	10810	1.49	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	1814	Below	Cal #	86
76) 1,2,3-Trichloropropane	12.40	75	178876	42.68	ug/l #	100

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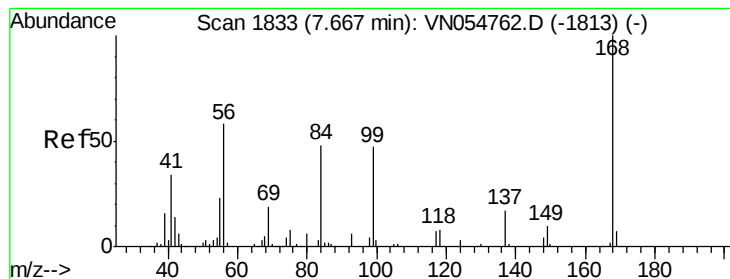
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	12.52	156	2176	0.39	ug/l	74
78) n-propylbenzene	12.59	91	11741	0.46	ug/l	91
79) 2-Chlorotoluene	12.67	91	5400	0.34	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	6466	0.34	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	178876	140.19	ug/l #	11
82) 4-Chlorotoluene	12.77	91	8591	0.56	ug/l	96
83) tert-Butylbenzene	12.99	119	4941	Below	Cal	85
84) 1,2,4-Trimethylbenzene	13.04	105	7250	0.40	ug/l	94
85) sec-Butylbenzene	13.17	105	10042	0.48	ug/l	94
86) p-Isopropyltoluene	13.29	119	9341	0.51	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	7626	0.81	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	7626	0.82	ug/l	95
89) n-Butylbenzene	13.62	91	13457	0.90	ug/l	94
90) Hexachloroethane	13.87	117	654	0.21	ug/l	74
91) 1,2-Dichlorobenzene	13.65	146	6815	0.72	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	386	0.48	ug/l	78
93) 1,2,4-Trichlorobenzene	14.91	180	11981	2.61	ug/l	97
95) Naphthalene	15.13	128	39233	3.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	13745	2.96	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

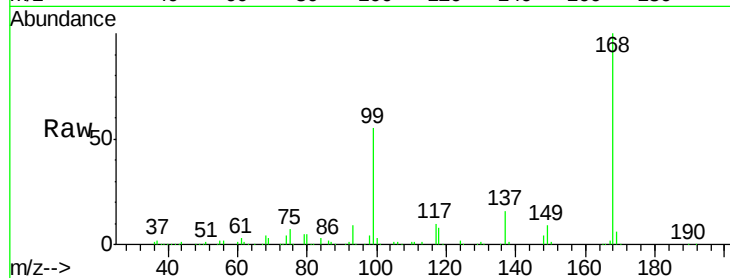
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 576691

Ion Ratio Lower Upper

168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

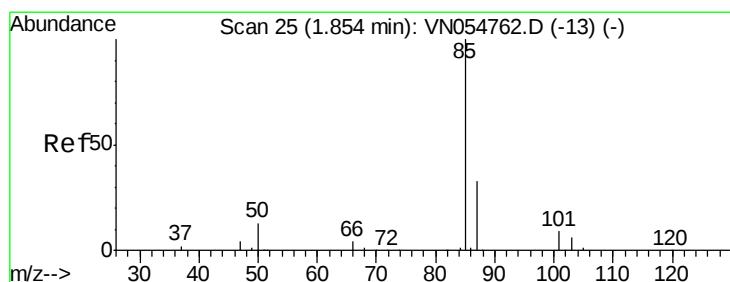
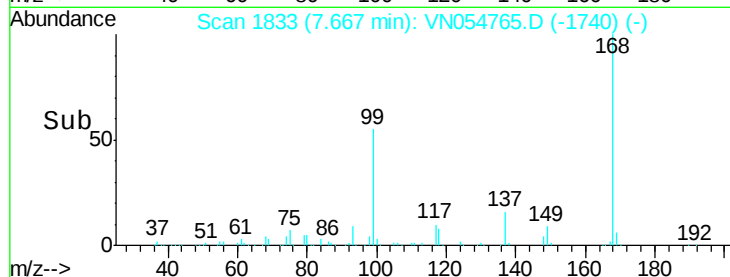
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.27 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054765.D

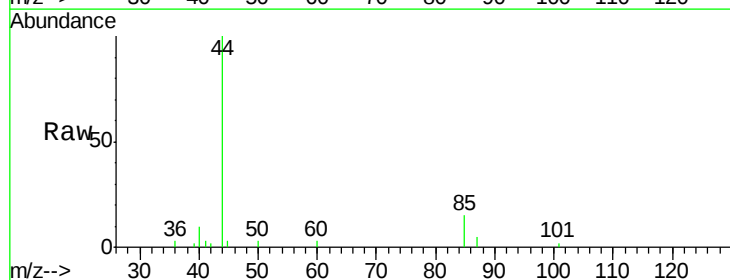
Acq: 29 Mar 2019 12:38

Tgt Ion: 85 Resp: 1572

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

1200

1000

800

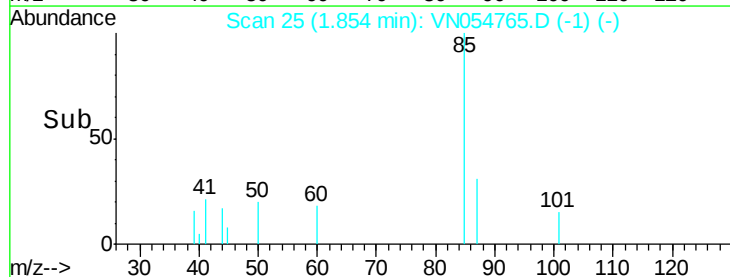
600

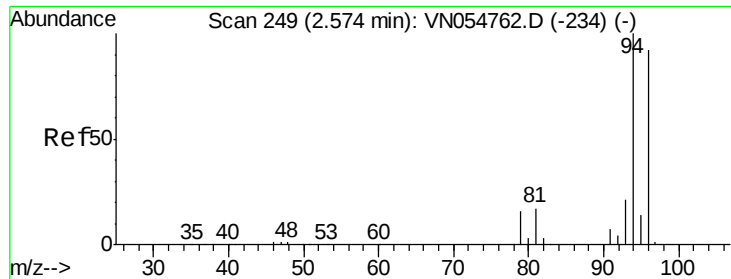
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

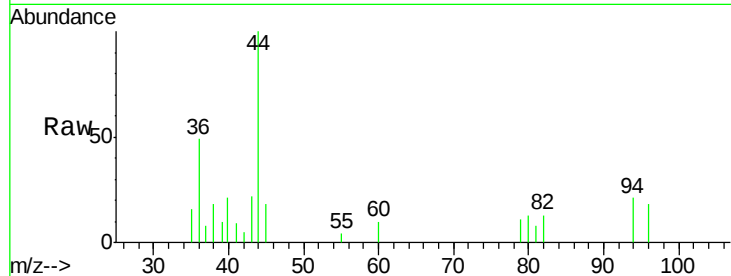
ClientSampled :

Tot Ion: 94 Resp: 1141

Ion Ratio Lower Upper

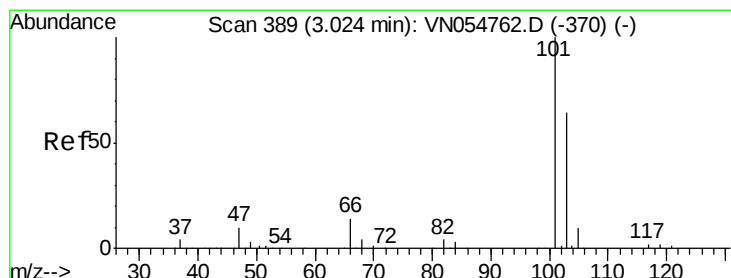
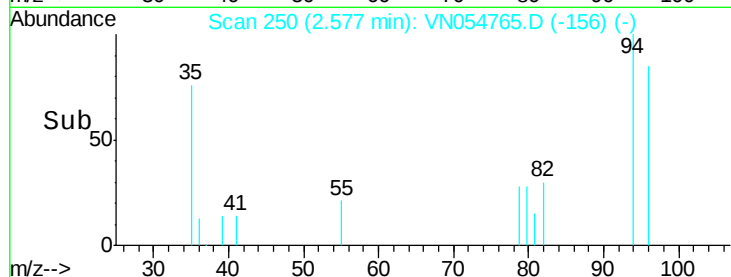
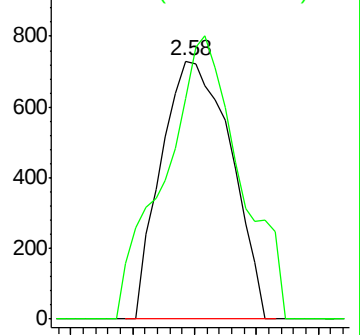
94 100

96 63.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: 0.21 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.00 min

Lab File: VN054765.D

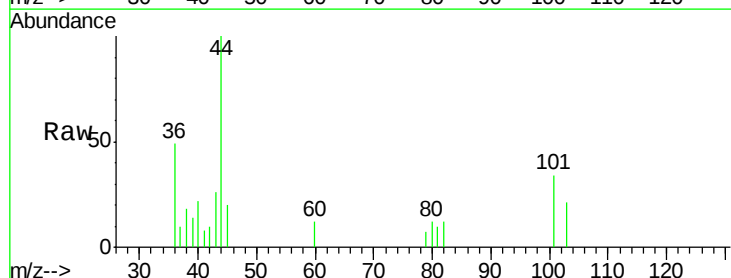
Acq: 29 Mar 2019 12:38

Tgt Ion: 101 Resp: 1831

Ion Ratio Lower Upper

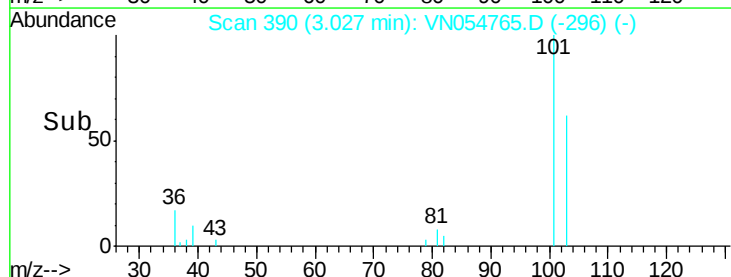
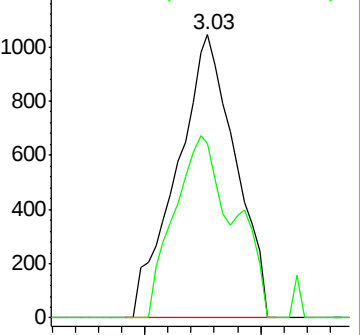
101 100

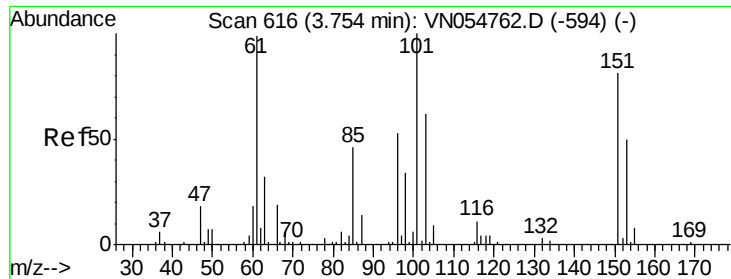
103 61.6 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.37 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

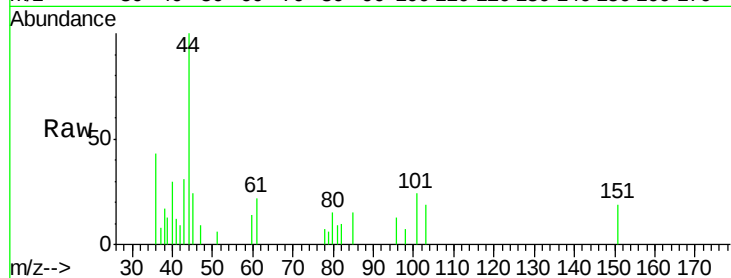
Tot Ion:101 Resp: 1607

Ion Ratio Lower Upper

101 100

85 34.7 32.4 48.6

151 60.5 68.2 102.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->

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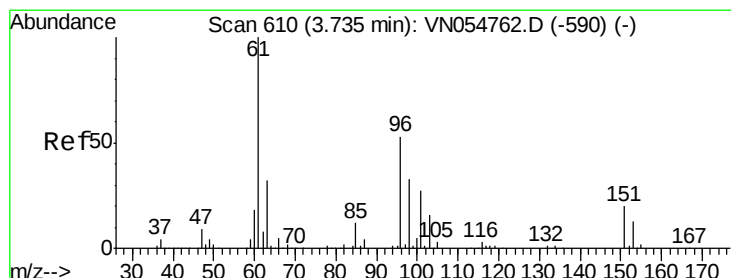
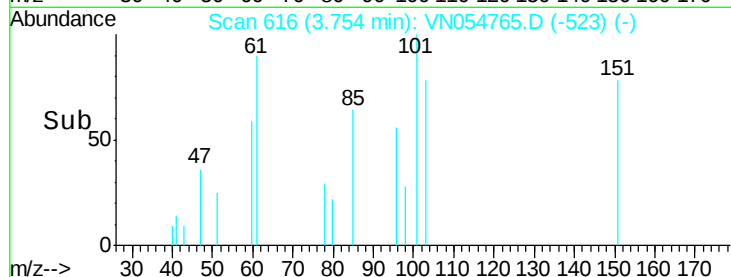
3.75

3.75

3.75

3.75

3.75



#12

1,1-Dichloroethene

Concen: 0.29 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

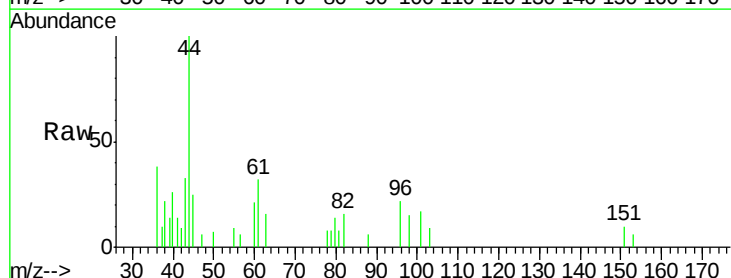
Tgt Ion: 96 Resp: 1309

Ion Ratio Lower Upper

96 100

61 117.1 116.5 174.7

98 68.0 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): V

Ion 60.90 (60.60 to 61.60): V

Ion 97.90 (97.60 to 98.60): V

Time-->

3.73

3.73

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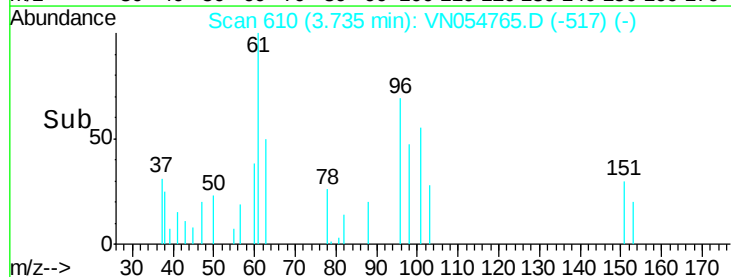
3.73

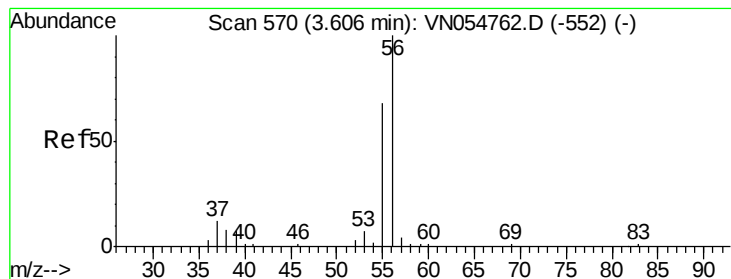
3.73

3.73

3.73

3.73





#13

Acrolein

Concen: 3.46 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

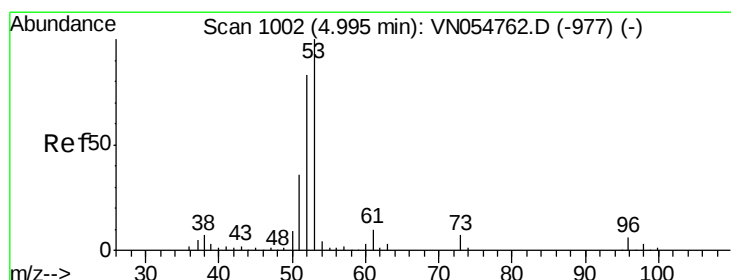
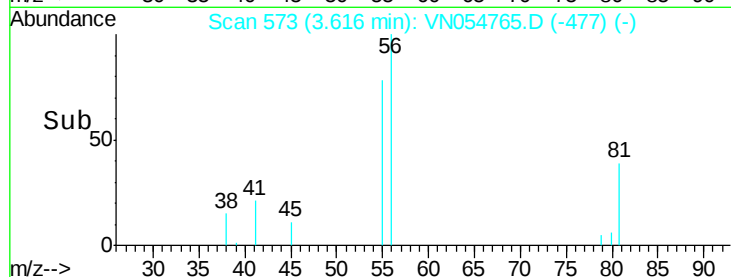
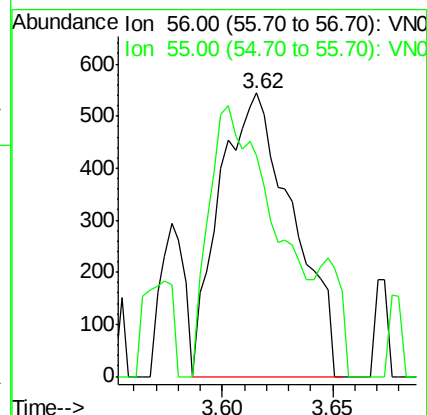
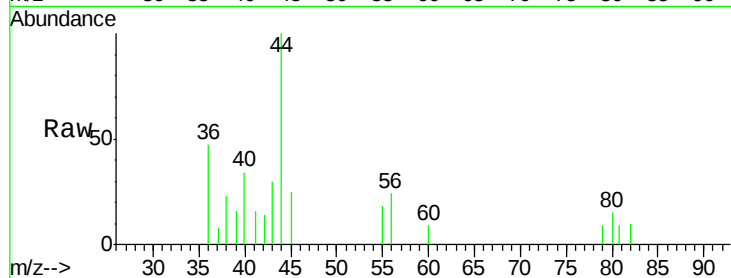
ClientSampled :

Tot Ion: 56 Resp: 1252

Ion Ratio Lower Upper

56 100

55 85.1 56.7 85.1#



#15

Acrylonitrile

Concen: 1.15 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

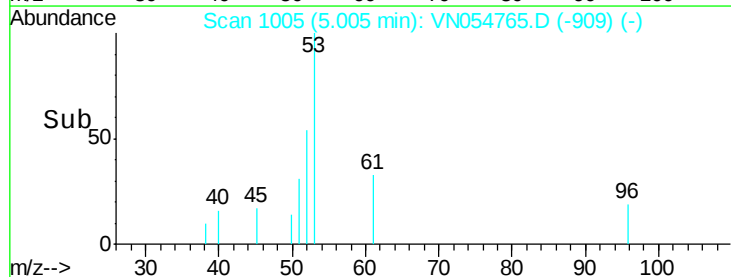
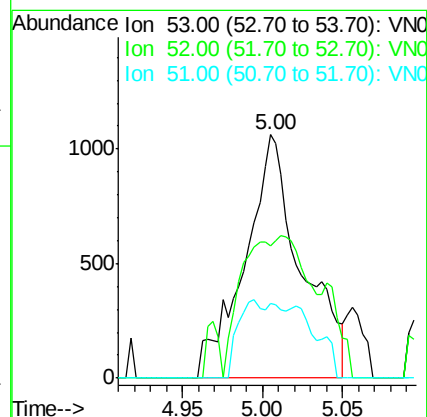
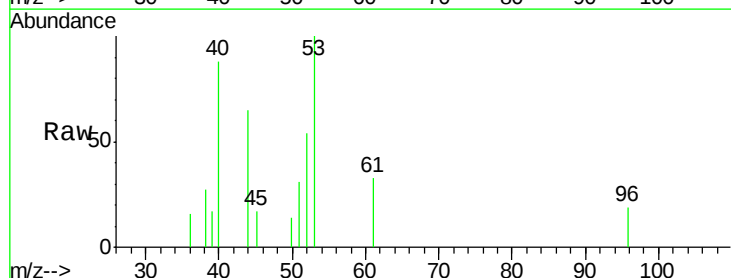
Tgt Ion: 53 Resp: 2584

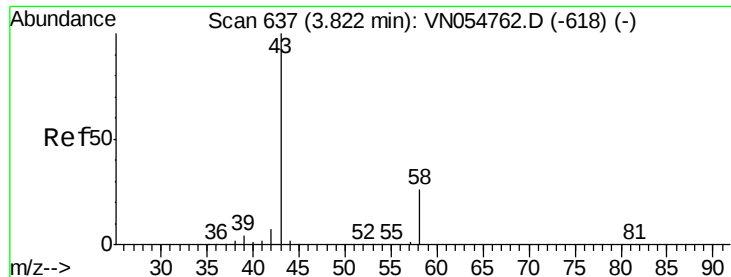
Ion Ratio Lower Upper

53 100

52 69.4 66.4 99.6

51 14.9 29.6 44.4#





#16

Acetone

Concen: 0.81 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

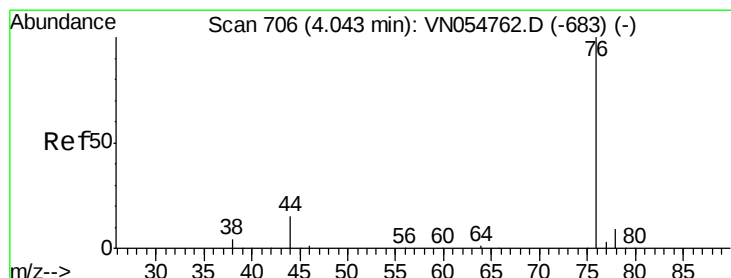
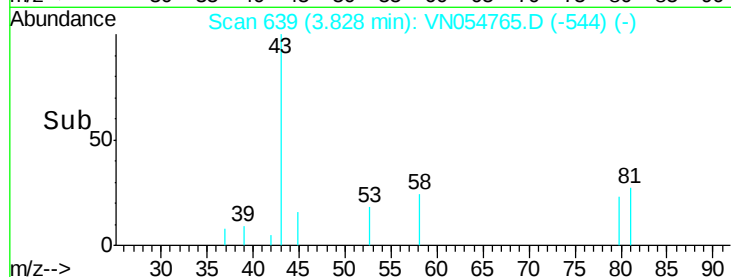
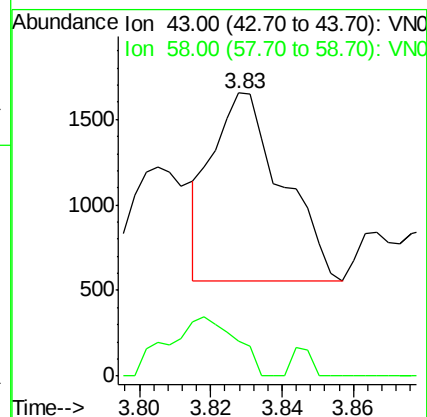
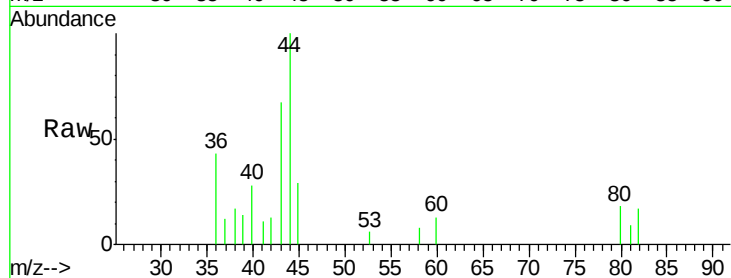
ClientSampled :

Tot Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

58 18.7 29.9 44.9#



#17

Carbon Disulfide

Concen: 0.92 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054765.D

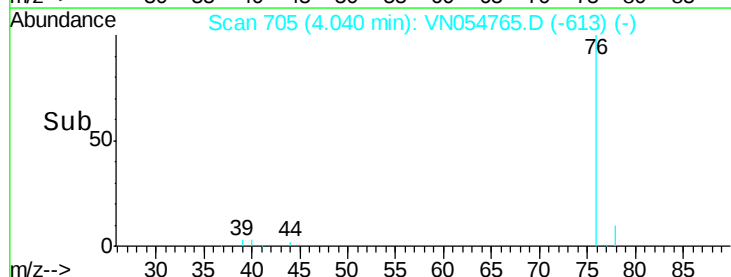
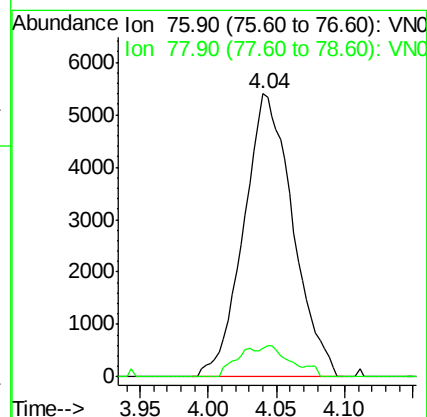
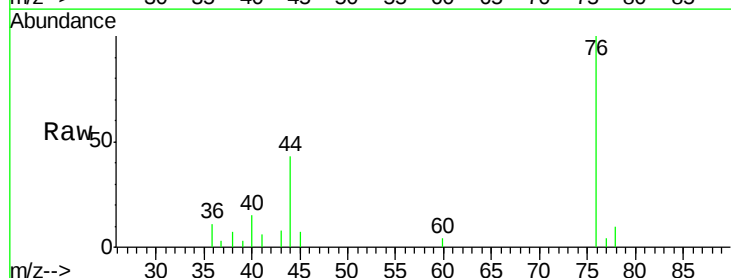
Acq: 29 Mar 2019 12:38

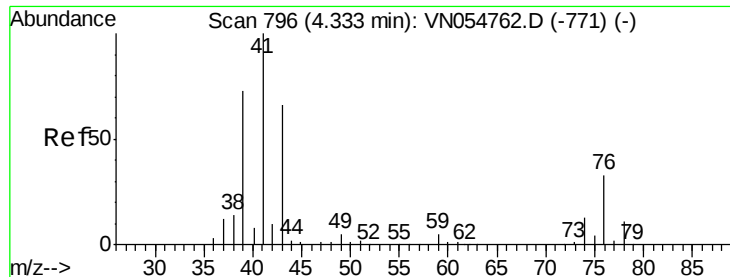
Tgt Ion: 76 Resp: 13499

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3

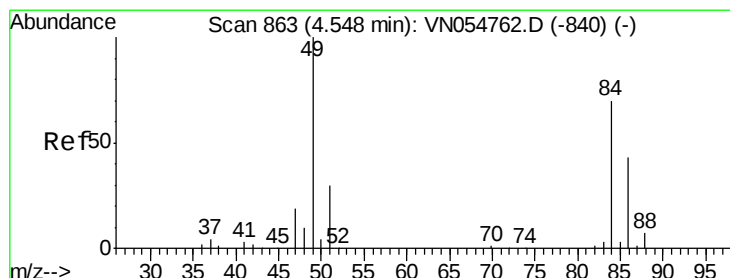
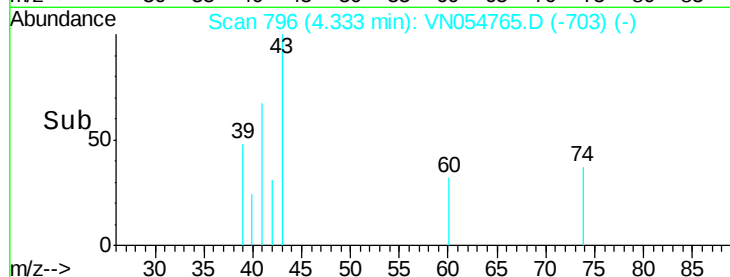
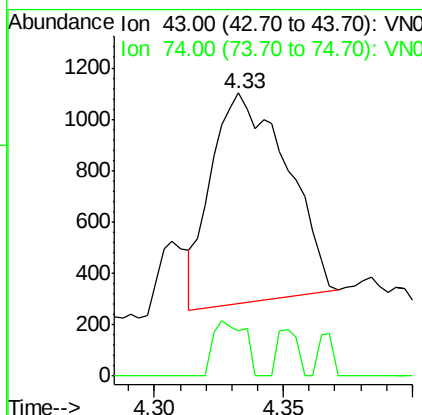
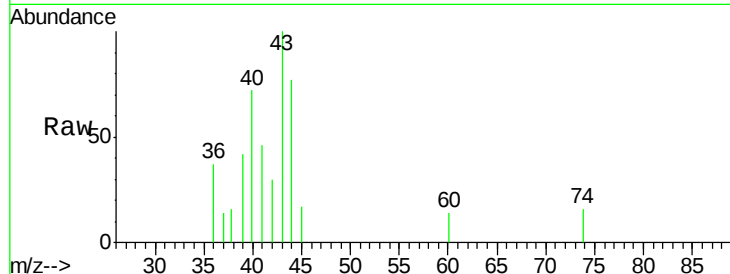




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

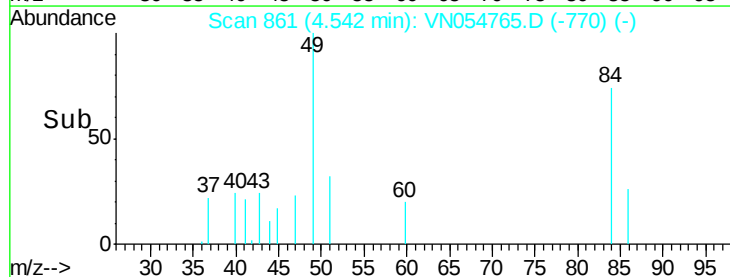
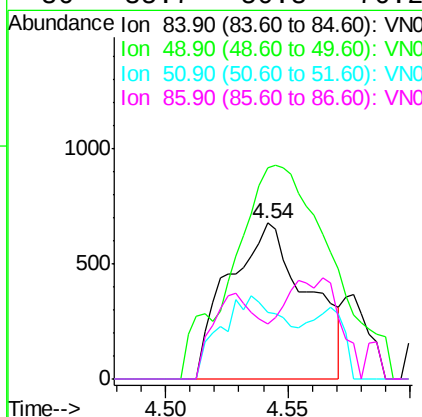
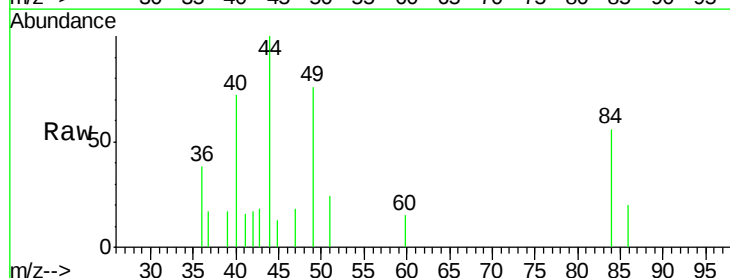
Instrument :
MSVOA_N
ClientSampleId :

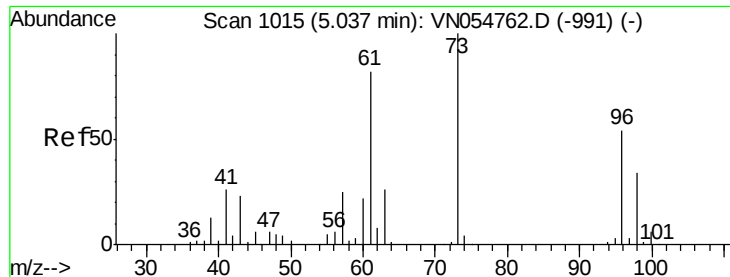
Tot Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
74 10.8 20.8 31.2#



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 107.1 89.7 134.5
51 43.0 28.2 42.4#
86 35.7 50.8 76.2#





#21

trans-1,2-Dichloroethene

Concen: 0.34 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

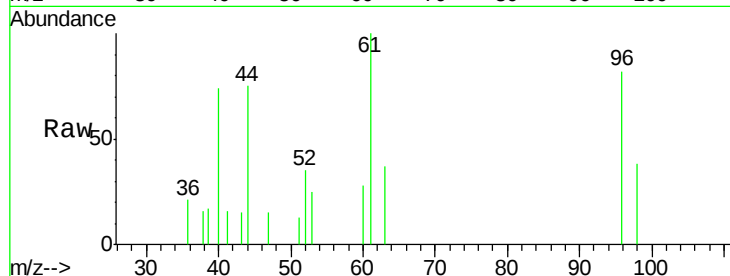
Tot Ion: 96 Resp: 2051

Ion Ratio Lower Upper

96 100

61 99.4 102.8 154.2#

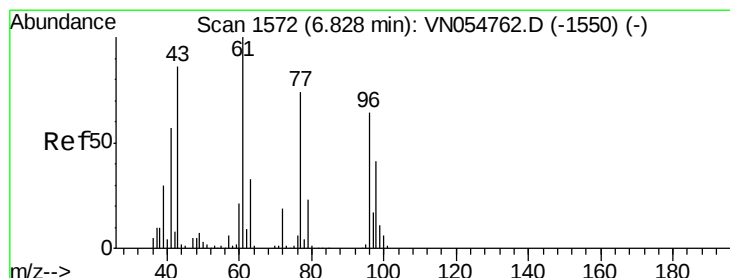
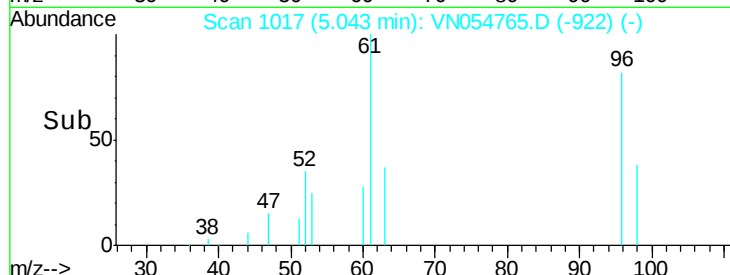
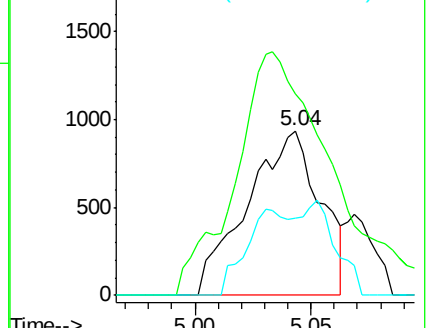
98 46.9 50.0 75.0#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

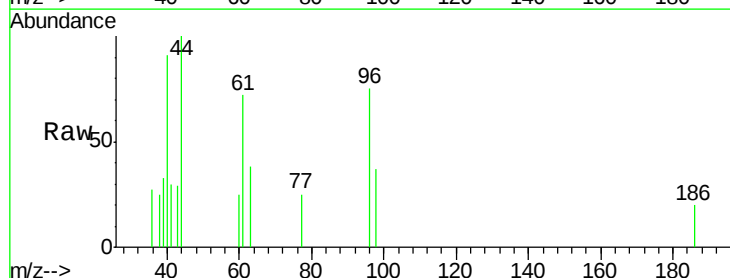
Tgt Ion: 96 Resp: 1634

Ion Ratio Lower Upper

96 100

61 56.6 0.0 273.0

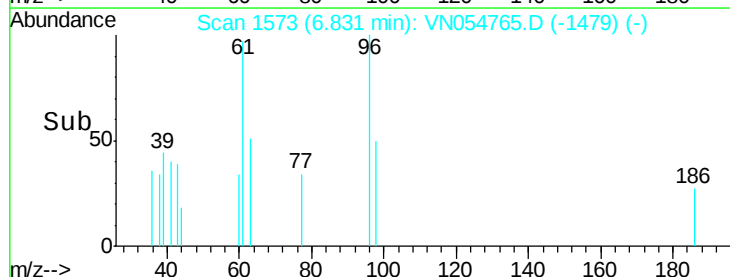
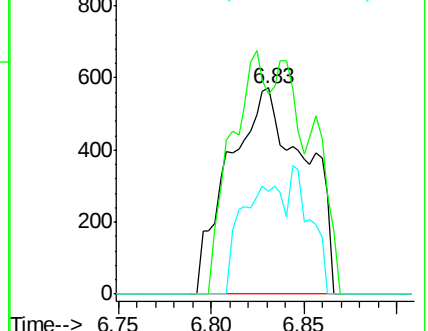
98 30.1 0.0 130.6

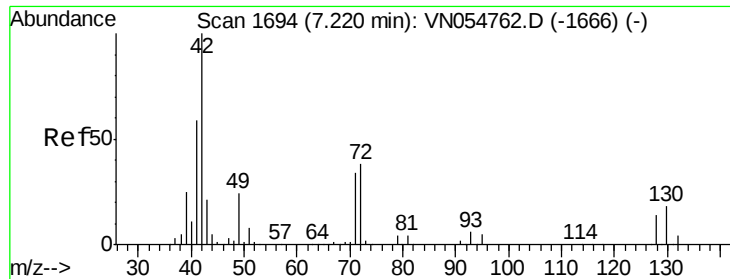


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#29

Tetrahydrofuran

Concen: 0.65 ug/l

RT: 7.23 min Scan# 1698

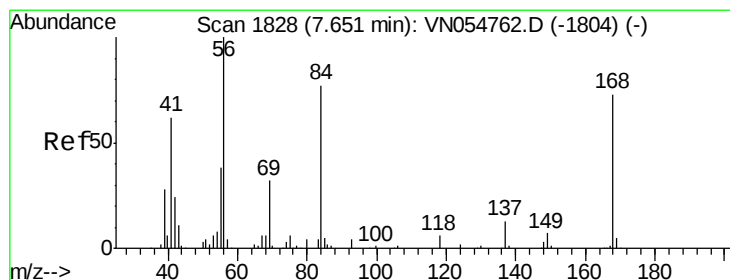
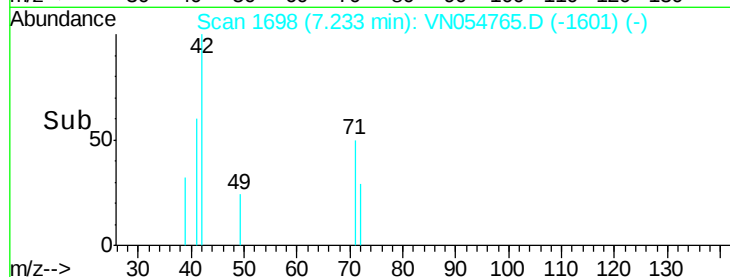
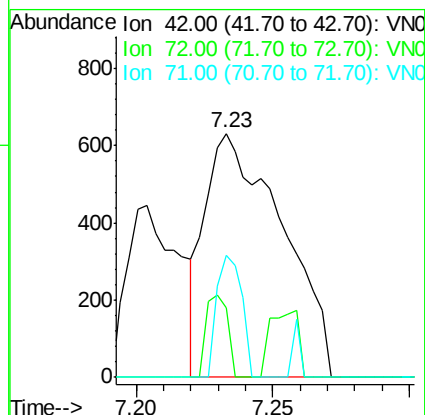
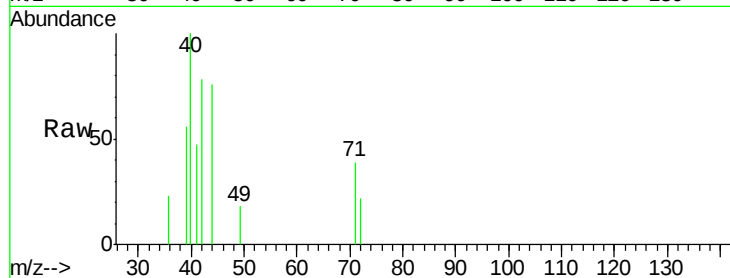
Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1243
Ion Ratio Lower Upper
42 100
72 9.2 37.8 56.6#
71 16.3 36.2 54.2#



#31

Cyclohexane

Concen: Below Cal

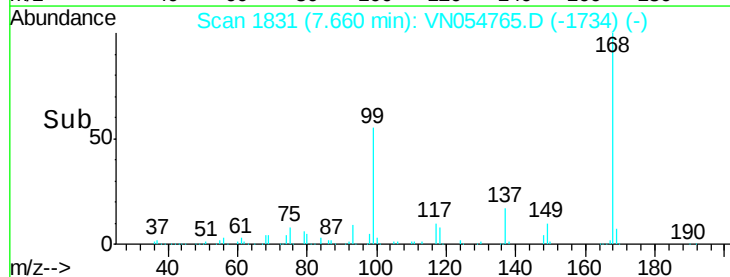
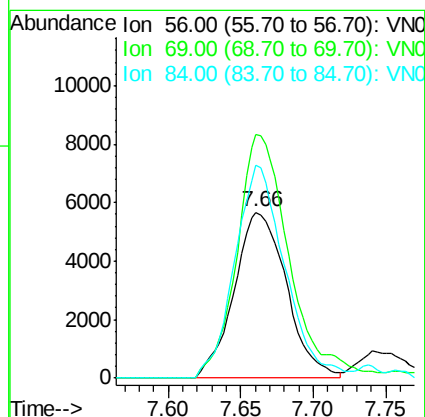
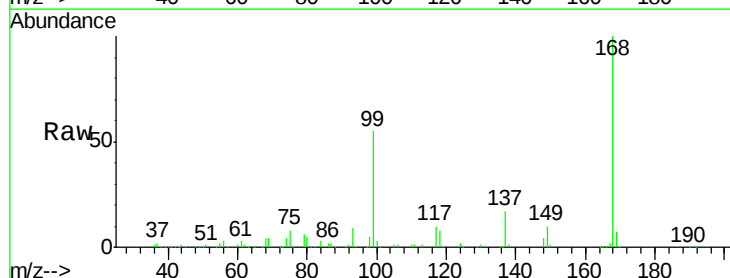
RT: 7.66 min Scan# 1831

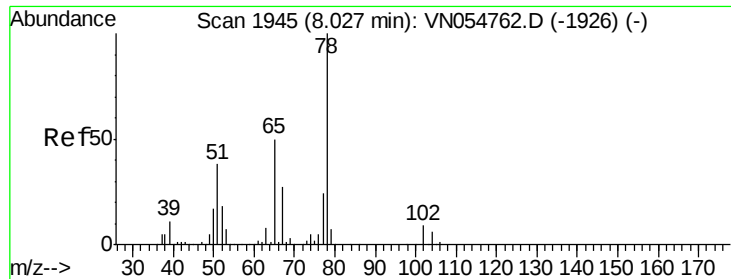
Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Tgt Ion: 56 Resp: 14238
Ion Ratio Lower Upper
56 100
69 146.8 27.8 41.6#
84 128.1 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 46.95 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

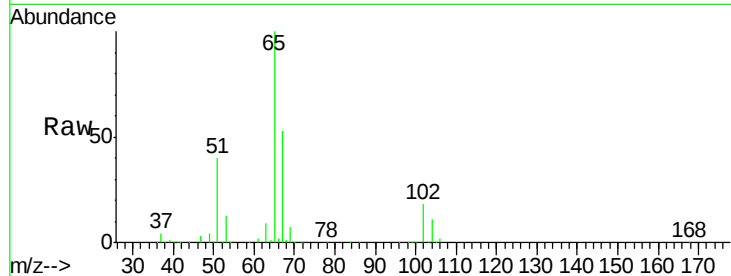
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 364990

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054765.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054765.D (-1852) (-)

8.03

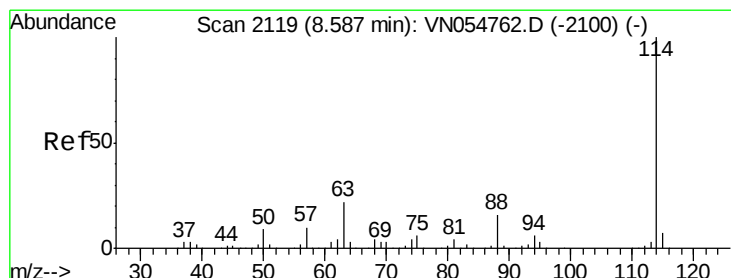
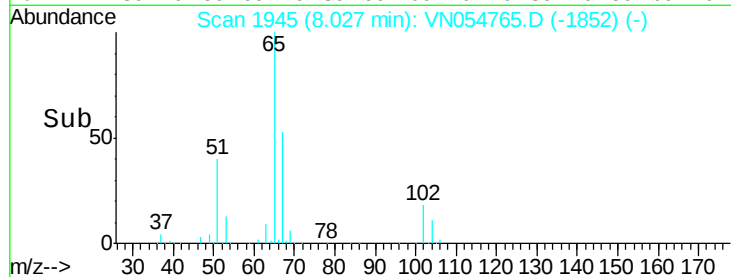
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

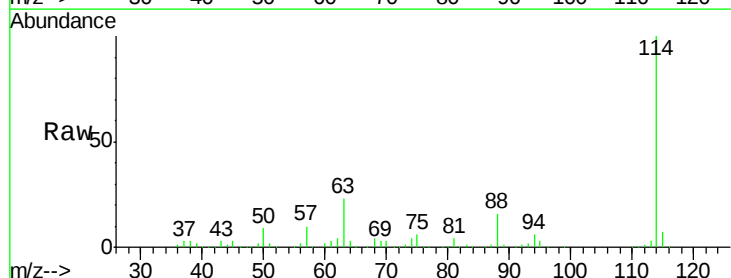
Tgt Ion: 114 Resp: 905712

Ion Ratio Lower Upper

114 100

63 22.8 0.0 35.2

88 16.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054765.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054765.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054765.D (-2026) (-)

8.59

500000

400000

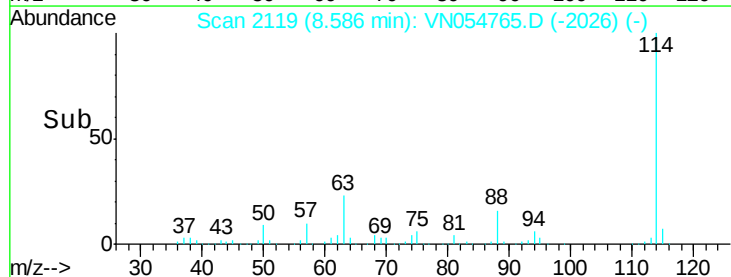
300000

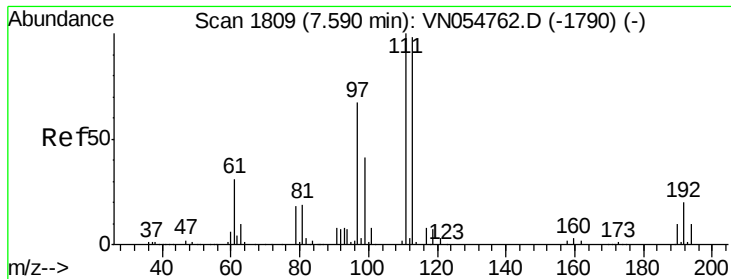
200000

100000

0

Time-->

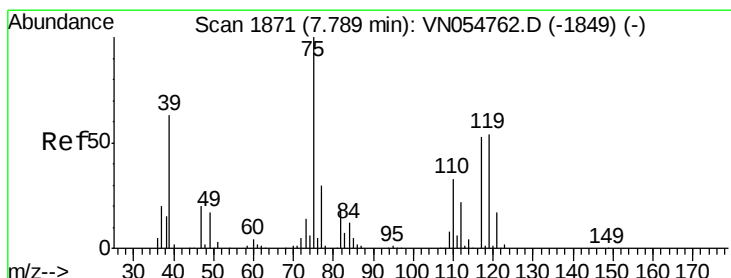
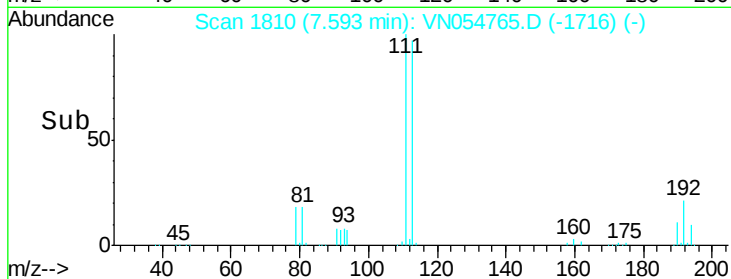
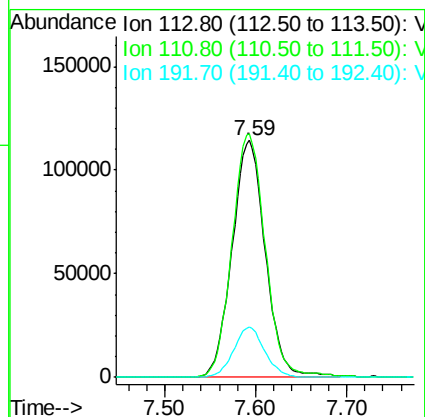
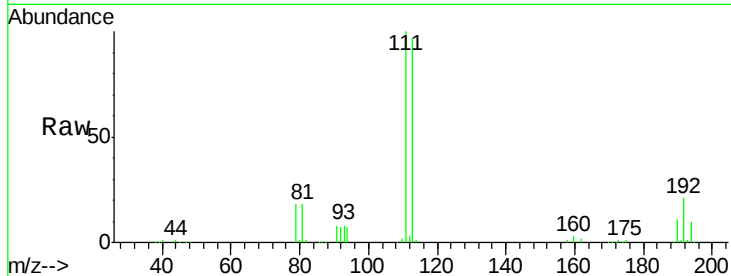




#35
 Dibromofluoromethane
 Concen: 48.07 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

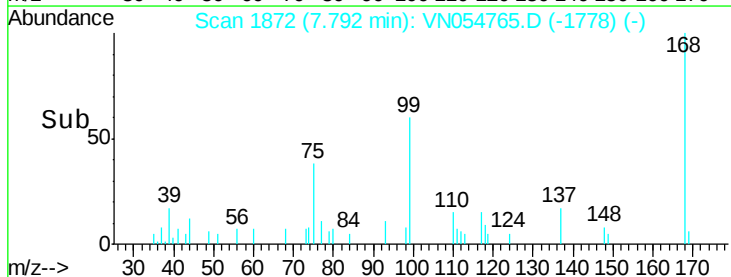
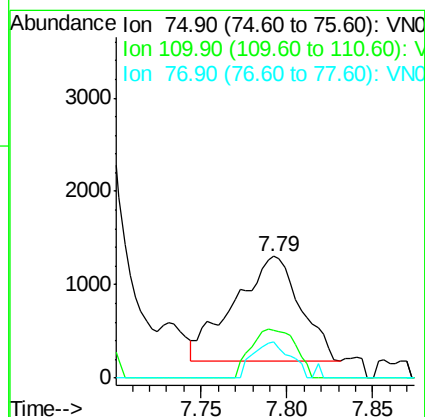
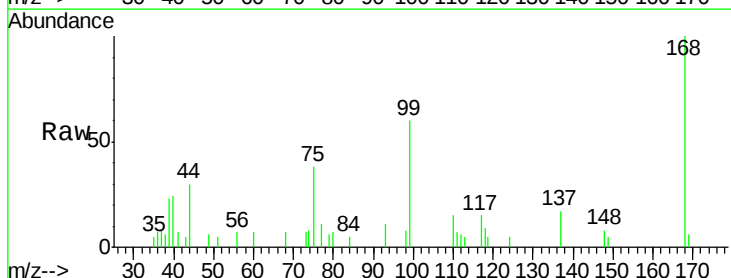
Instrument :
 MSVOA_N
 ClientSampled :

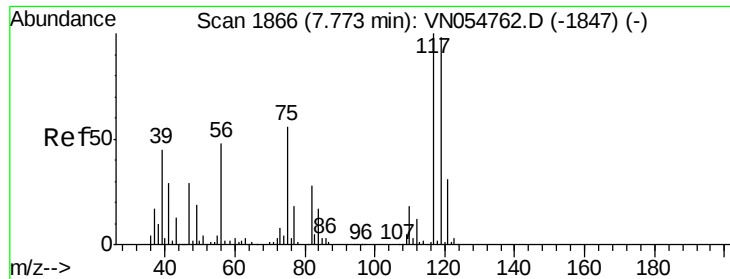
Tot Ion:113 Resp: 290264
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 20.1 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 0.36 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Tgt Ion: 75 Resp: 2967
 Ion Ratio Lower Upper
 75 100
 110 31.9 19.1 57.5
 77 19.6 25.0 37.4#

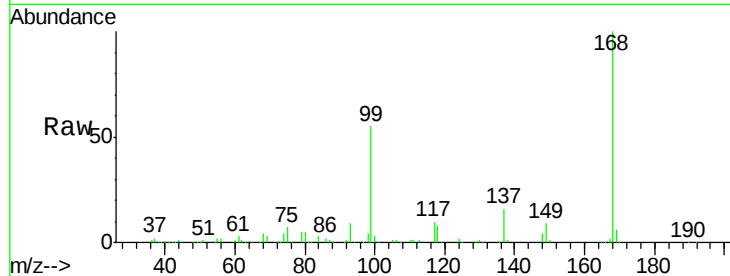




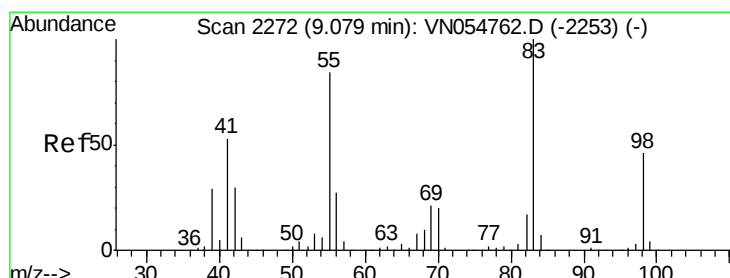
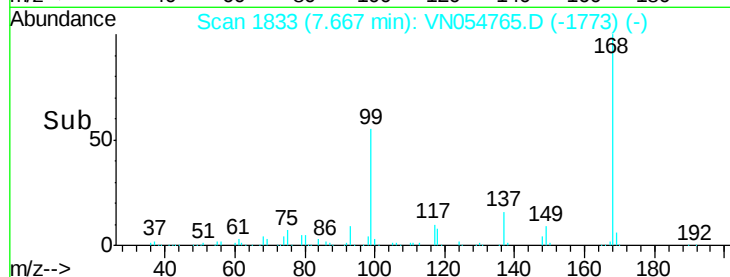
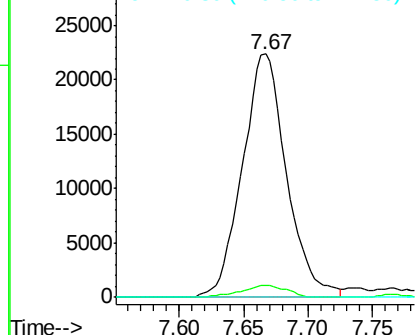
#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 53503
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.6 36.8#

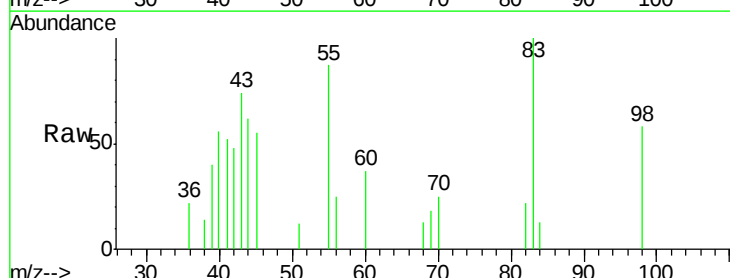


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

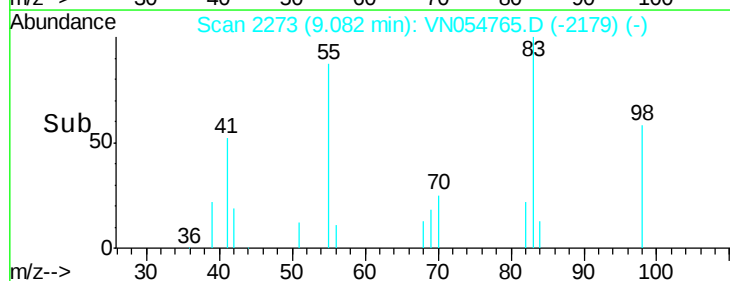
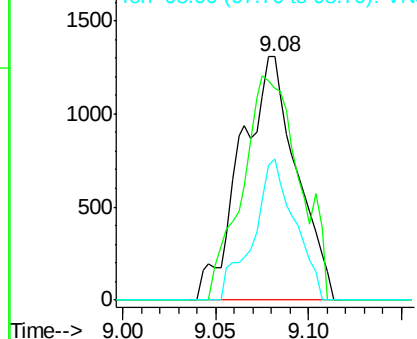


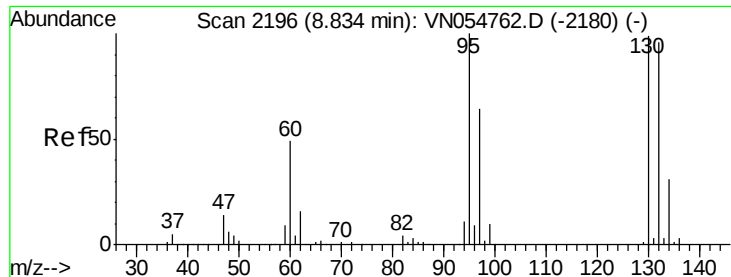
#39
Methylcyclohexane
Concen: 0.30 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Tgt Ion: 83 Resp: 2751
Ion Ratio Lower Upper
83 100
55 86.8 56.6 84.8#
98 58.0 38.4 57.6#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V

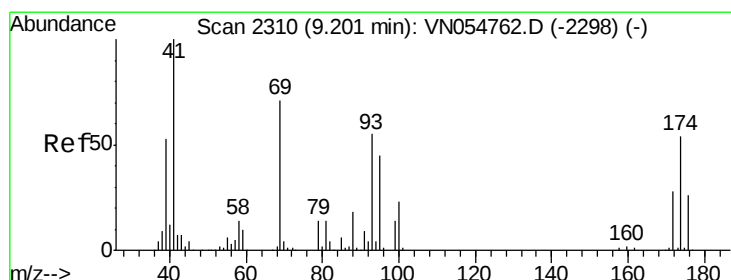
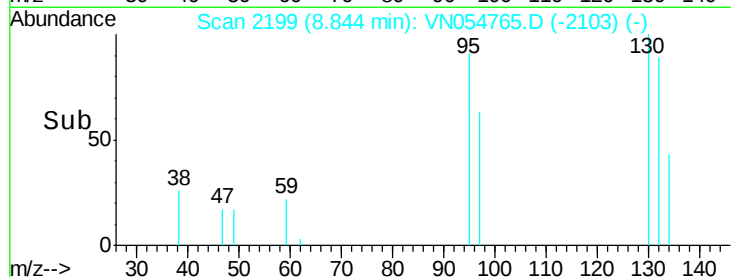
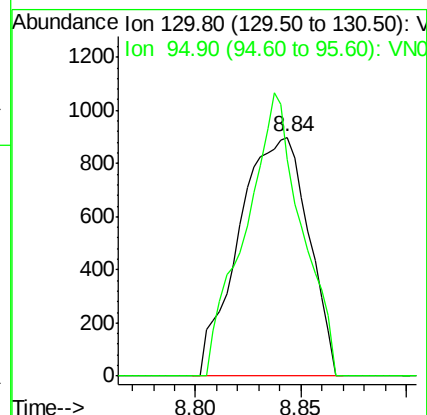
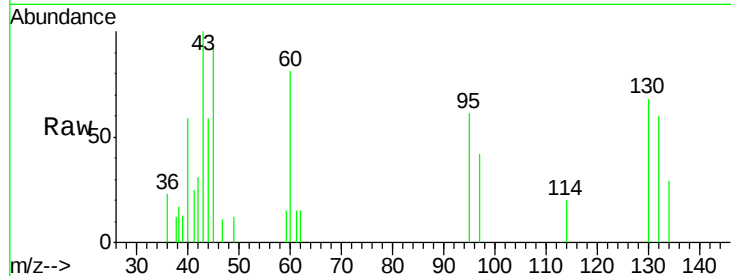




#44
 Trichloroethene
 Concen: 0.33 ug/l
 RT: 8.84 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

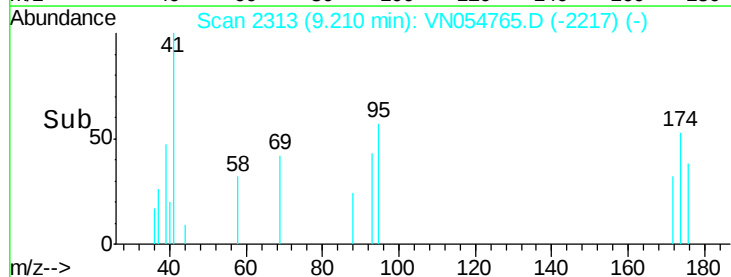
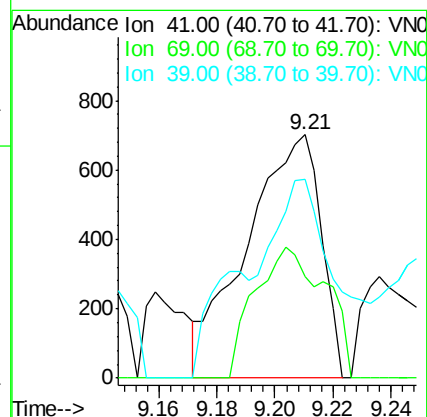
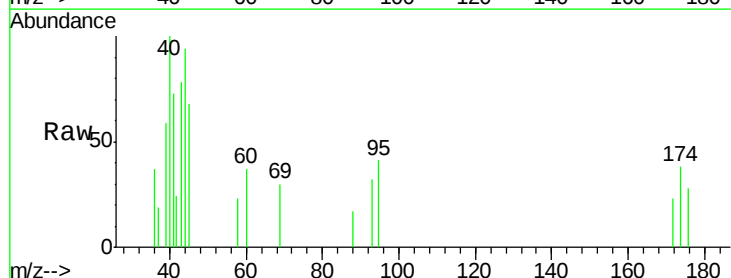
Instrument :
 MSVOA_N
 ClientSampled :

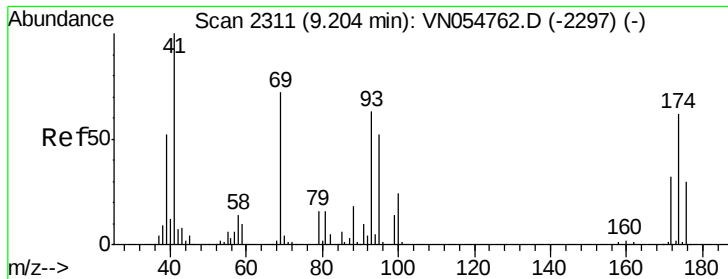
Tot Ion:130 Resp: 2058
 Ion Ratio Lower Upper
 130 100
 95 90.8 0.0 185.2



#48
 Methyl methacrylate
 Concen: 0.23 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Tgt Ion: 41 Resp: 1245
 Ion Ratio Lower Upper
 41 100
 69 51.2 72.6 108.8#
 39 46.6 47.5 71.3#





#49

1,4-Dioxane

Concen: 3.07 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :

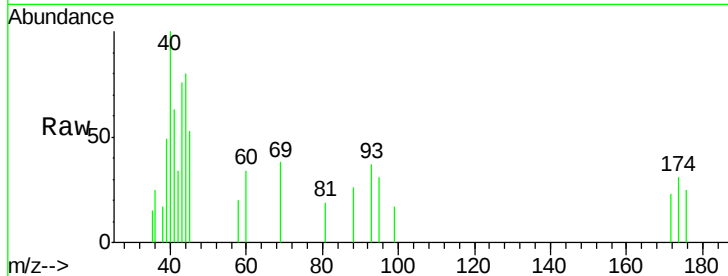
Tot Ion: 88 Resp: 166

Ion Ratio Lower Upper

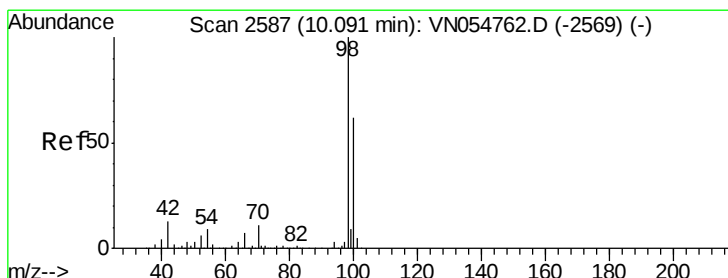
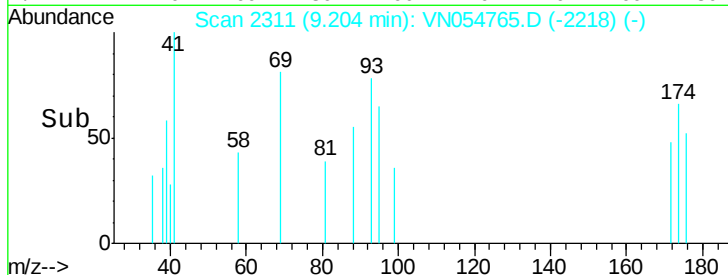
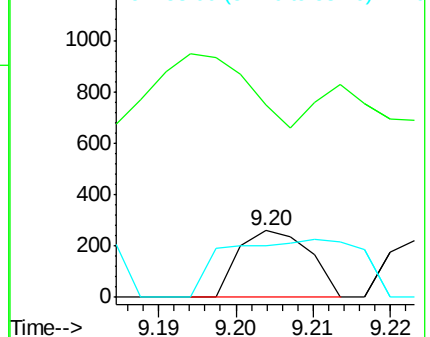
88 100

43 146.4 24.1 36.1#

58 166.3 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.25 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054765.D

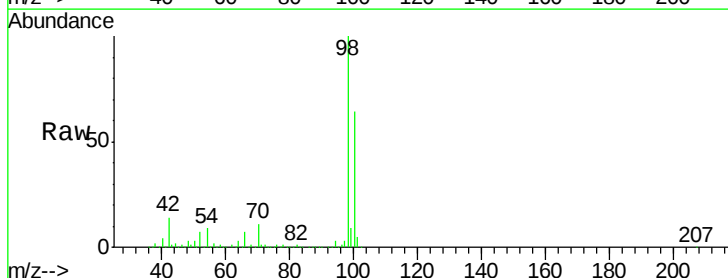
Acq: 29 Mar 2019 12:38

Tgt Ion: 98 Resp: 1105519

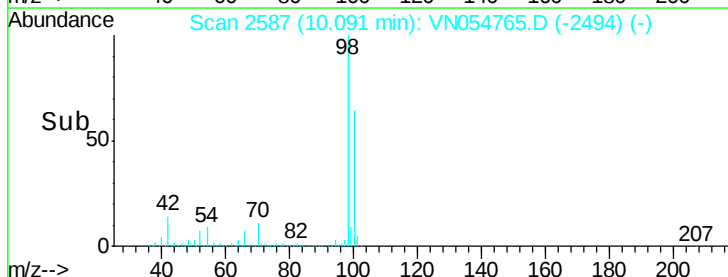
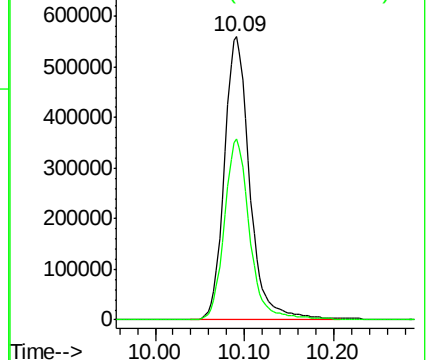
Ion Ratio Lower Upper

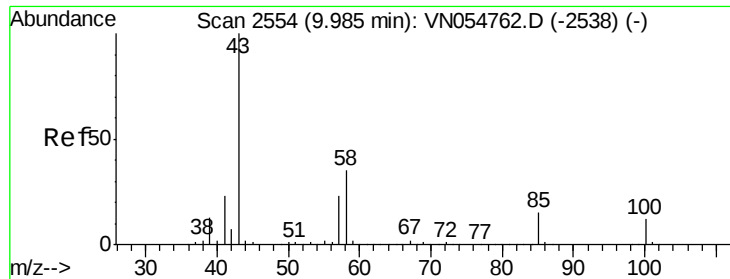
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.19 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

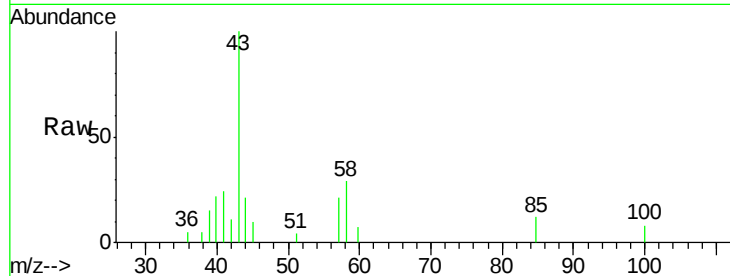
ClientSampleId :

Tot Ion: 43 Resp: 6725

Ion Ratio Lower Upper

43 100

58 34.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054765.D (-2555) (-)

Ion 58.00 (57.70 to 58.70): VN054765.D (-2555) (-)

6000

5000

4000

3000

2000

1000

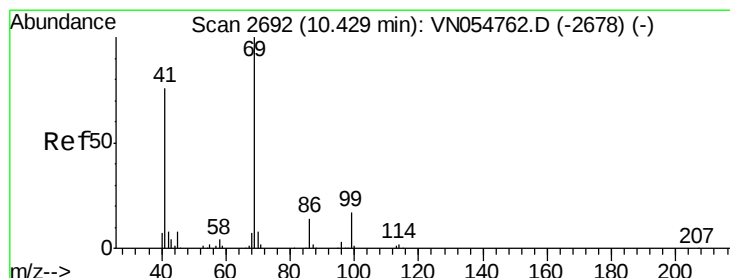
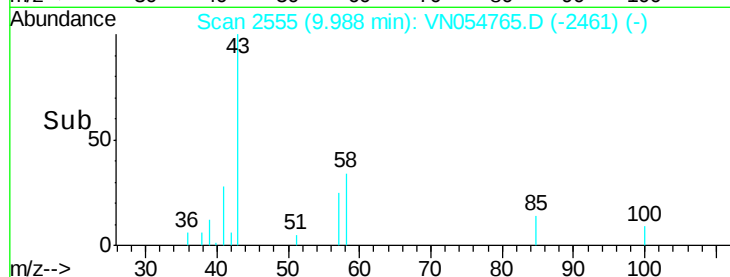
0

9.95

10.00

10.05

Time-->



#56

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

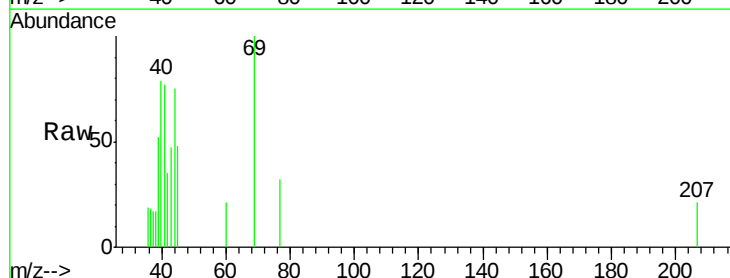
Tgt Ion: 69 Resp: 1588

Ion Ratio Lower Upper

69 100

41 105.0 49.4 74.2#

39 34.8 28.3 42.5



Abundance Ion 69.00 (68.70 to 69.70): VN054765.D (-2693) (-)

Ion 41.00 (40.70 to 41.70): VN054765.D (-2693) (-)

Ion 39.00 (38.70 to 39.70): VN054765.D (-2693) (-)

1200

1000

800

600

400

200

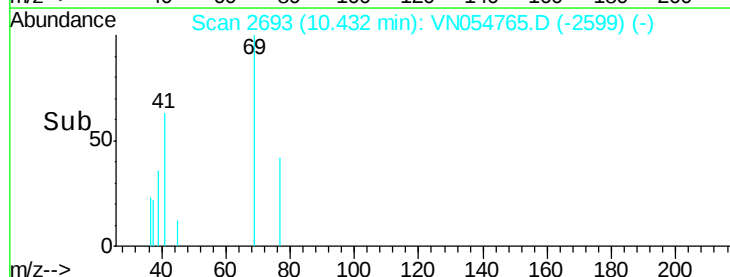
0

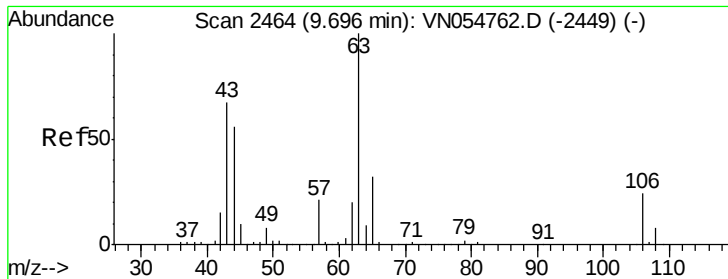
10.40

10.43

10.45

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 10.65 ug/l

RT: 9.71 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

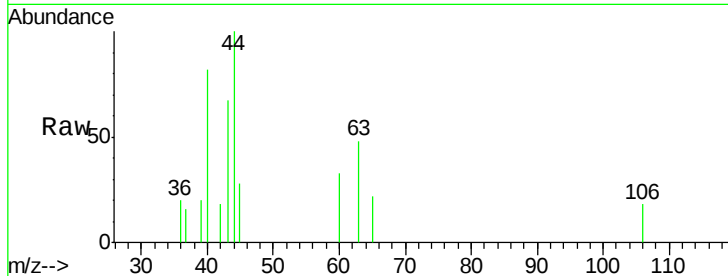
ClientSampled :

Tot Ion: 63 Resp: 922

Ion Ratio Lower Upper

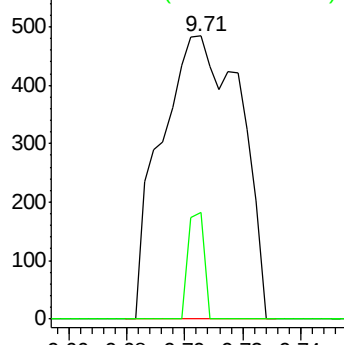
63 100

106 7.5 24.4 36.6#

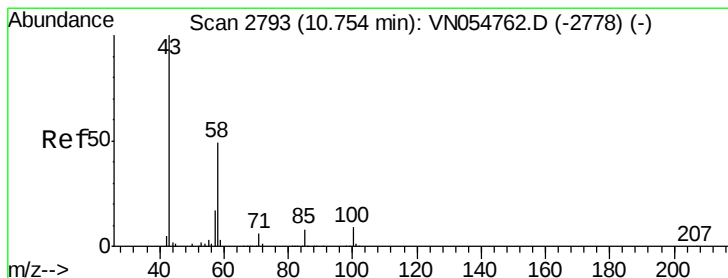
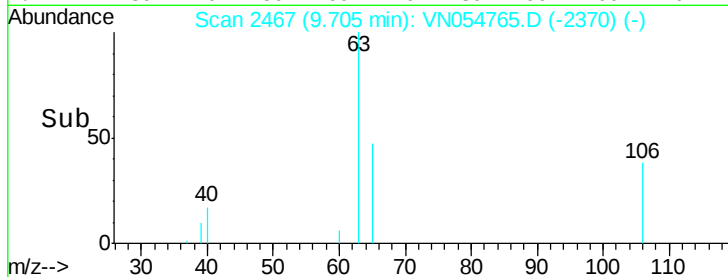


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->



#59

2-Hexanone

Concen: 3.38 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054765.D

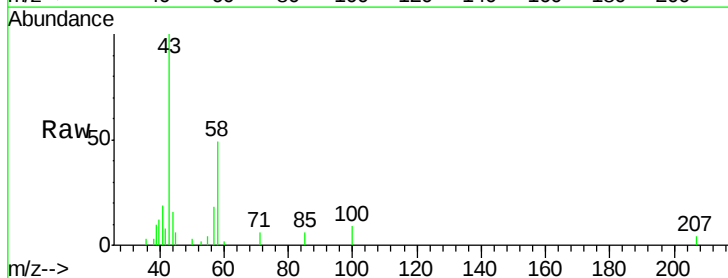
Acq: 29 Mar 2019 12:38

Tgt Ion: 43 Resp: 12223

Ion Ratio Lower Upper

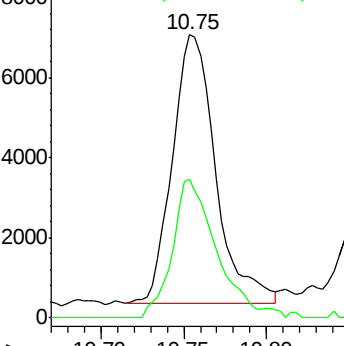
43 100

58 52.6 28.0 83.9

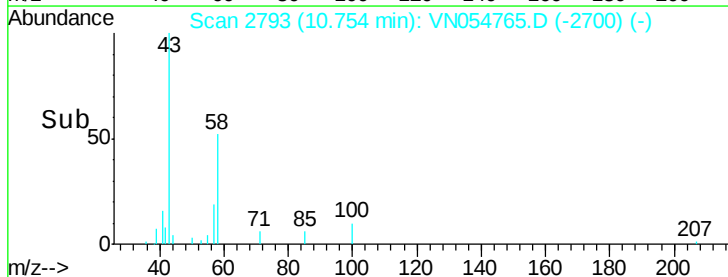


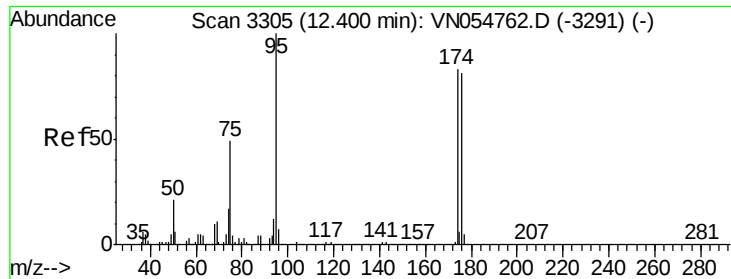
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 45.94 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

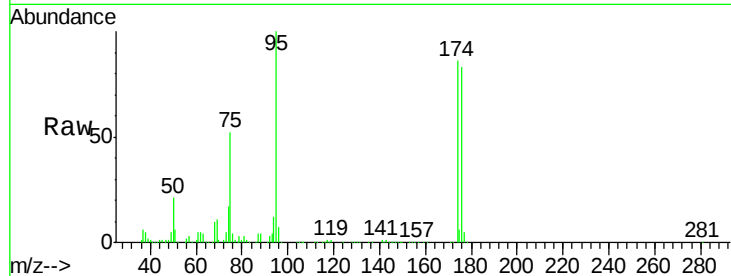
Tot Ion: 95 Resp: 343021

Ion Ratio Lower Upper

95 100

174 86.2 0.0 191.0

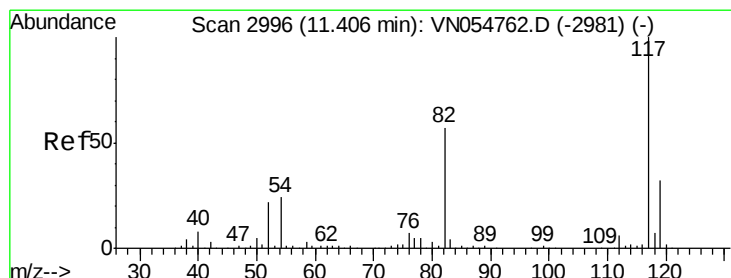
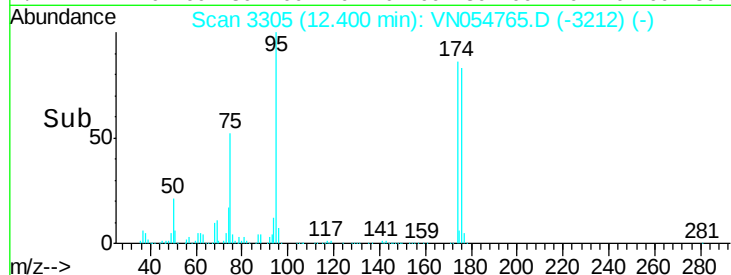
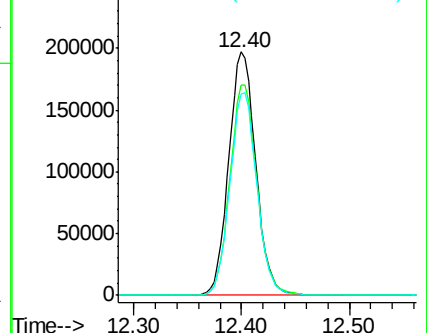
176 83.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054765.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054765.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054765.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

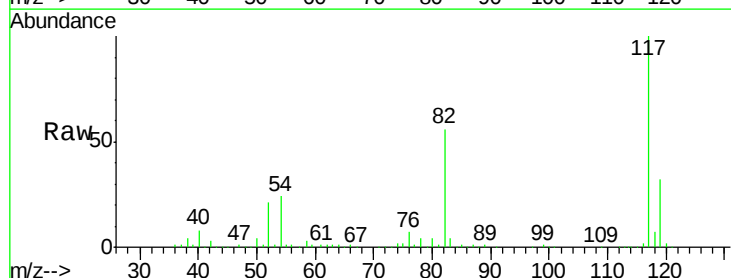
Tgt Ion: 117 Resp: 773653

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

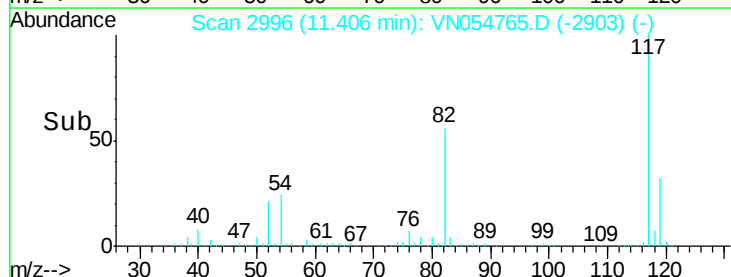
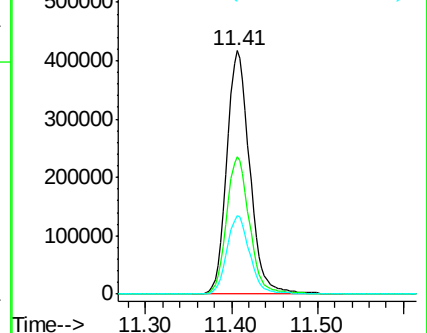
119 32.3 25.8 38.6

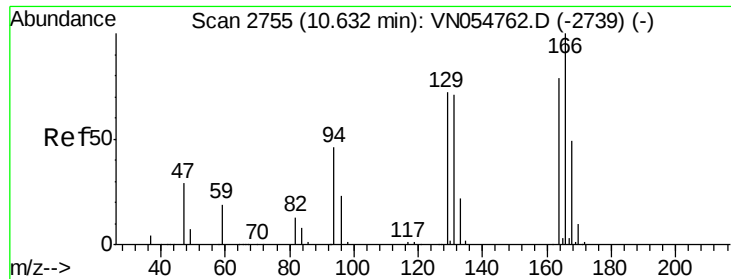


Abundance Ion 116.90 (116.60 to 117.60): VN054765.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054765.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054765.D (-2903) (-)





#64

Tetrachloroethene

Concen: 0.42 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

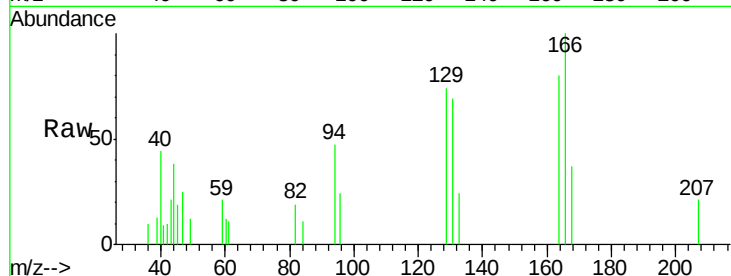
Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampled :



Tot Ion:164 Resp: 2491

Ion Ratio Lower Upper

164 100

166 124.4 103.9 155.9

129 91.5 71.1 106.7

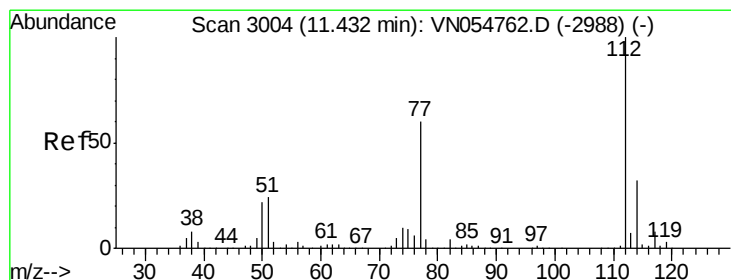
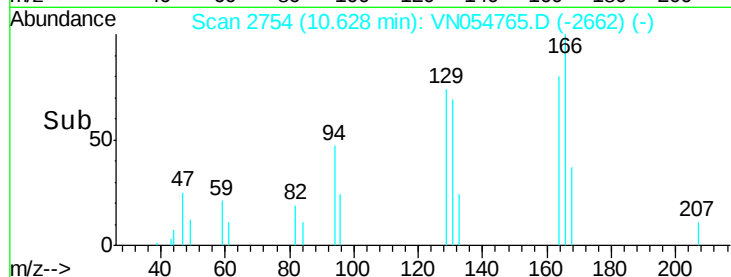
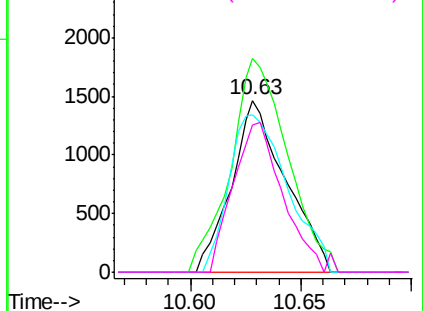
131 86.1 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.25 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.01 min

Lab File: VN054765.D

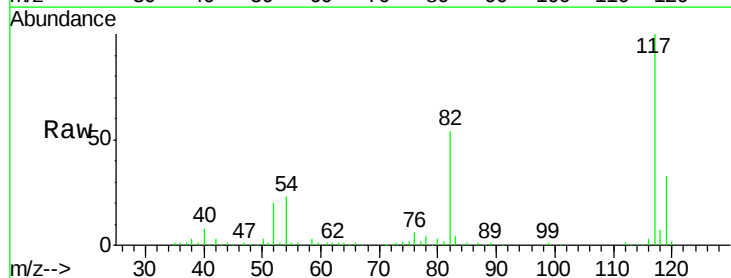
Acq: 29 Mar 2019 12:38

Tgt Ion:112 Resp: 3786

Ion Ratio Lower Upper

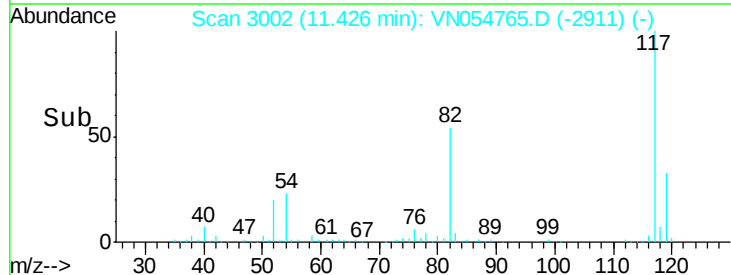
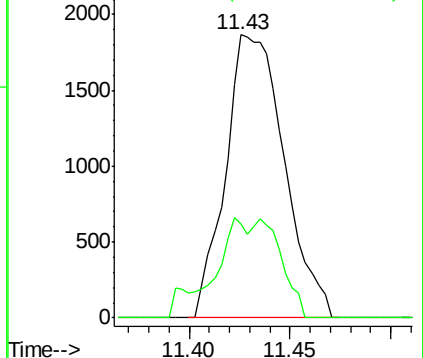
112 100

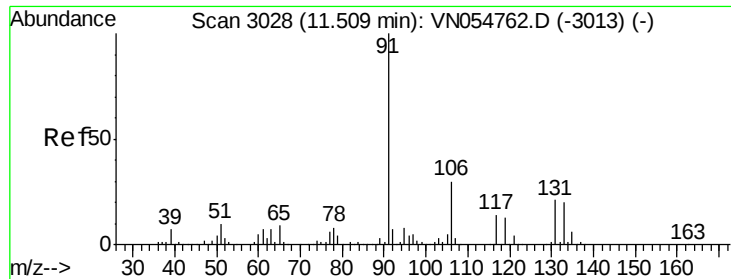
114 33.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

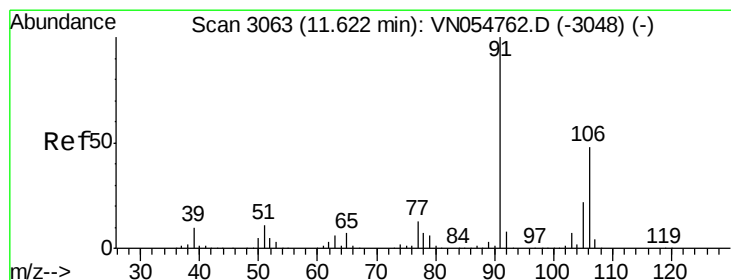
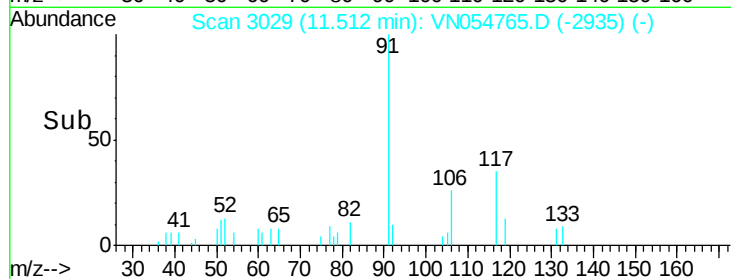
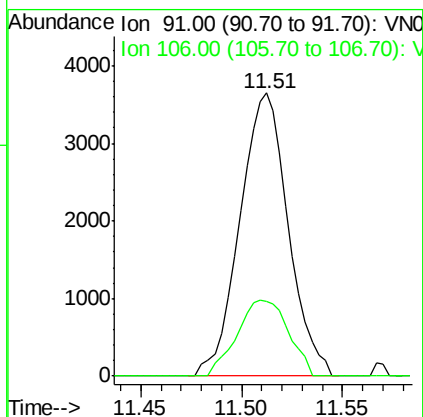
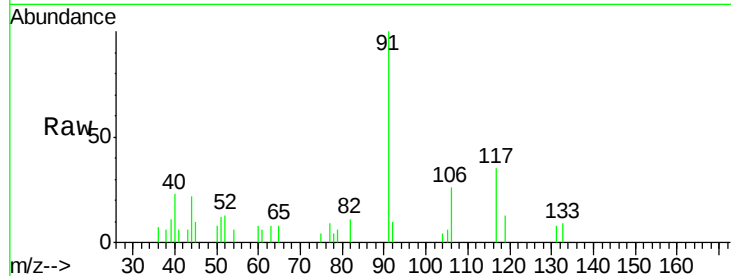




#67
Ethyl Benzene
Concen: 0.22 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

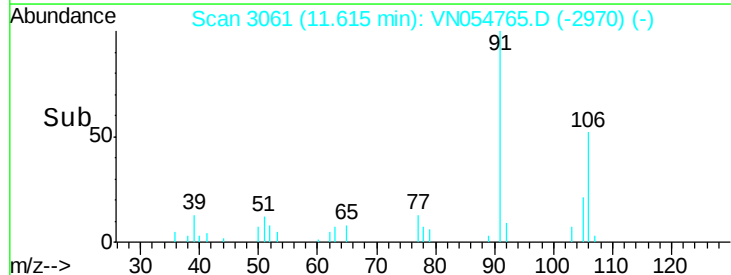
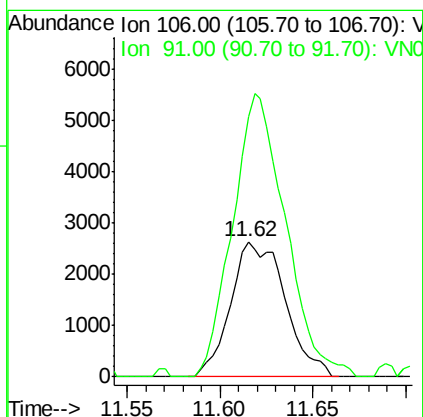
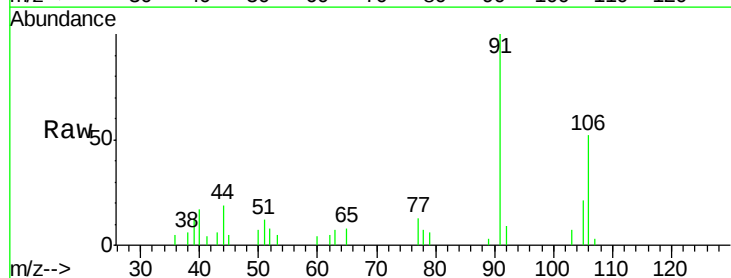
Instrument :
MSVOA_N
ClientSampleId :

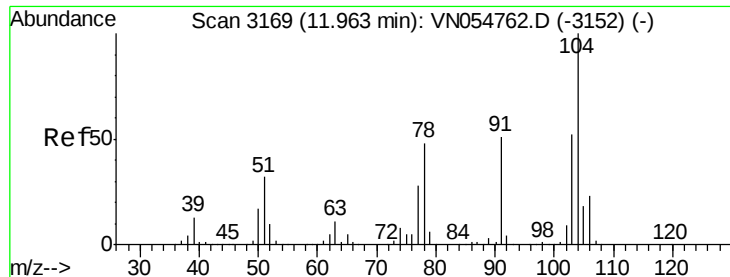
Tot Ion: 91 Resp: 6114
Ion Ratio Lower Upper
91 100
106 26.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Tgt Ion: 106 Resp: 5380
Ion Ratio Lower Upper
106 100
91 203.6 159.4 239.2

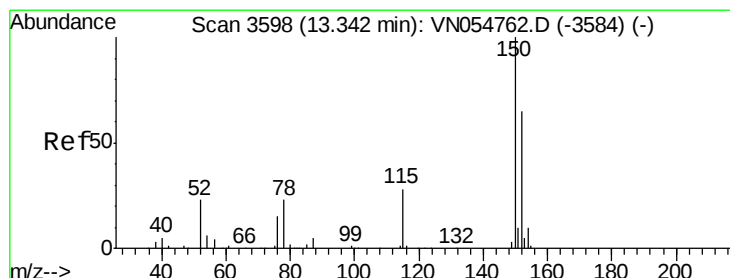
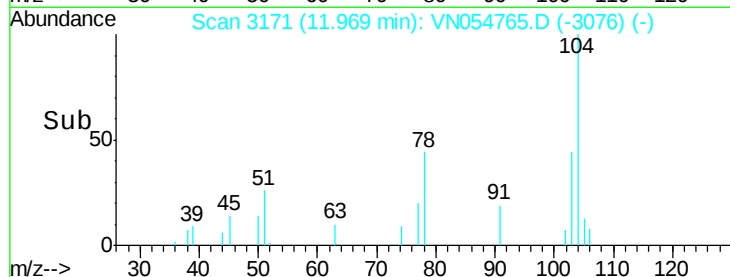
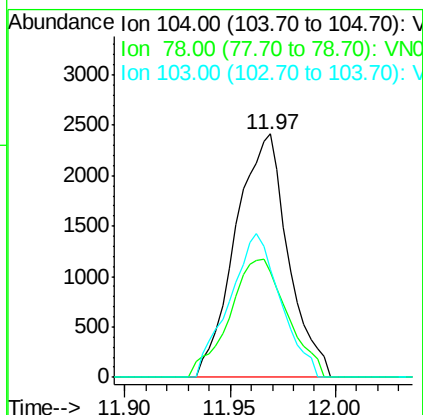
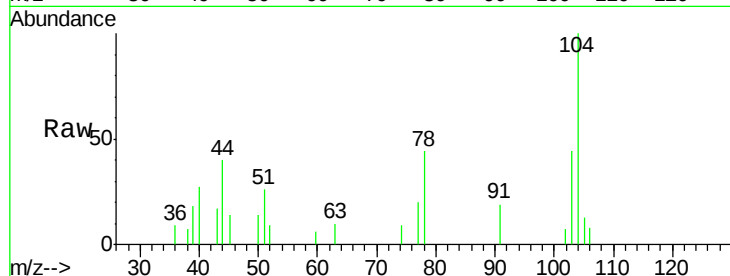




#70
Stvrene
Concen: 0.26 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

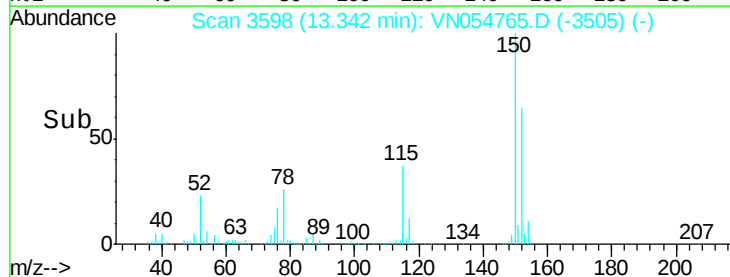
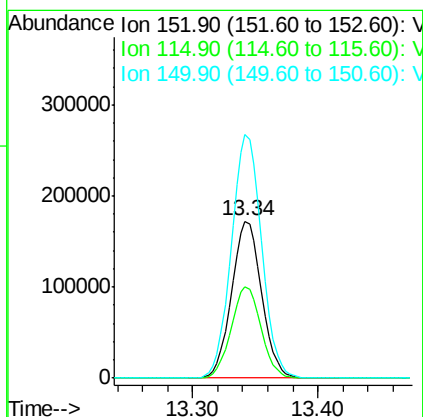
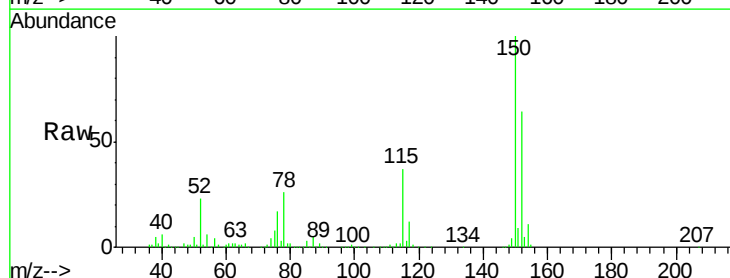
Instrument :
MSVOA_N
ClientSampled :

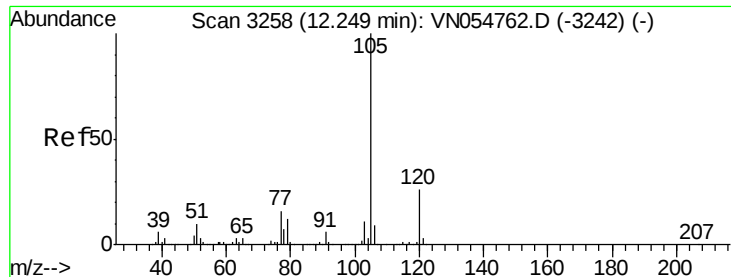
Tot Ion:104 Resp: 4189
Ion Ratio Lower Upper
104 100
78 53.3 38.2 57.2
103 57.0 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Tgt Ion:152 Resp: 285686
Ion Ratio Lower Upper
152 100
115 58.1 27.2 81.6
150 156.1 0.0 349.2





#73

Isopropylbenzene

Concen: 0.28 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

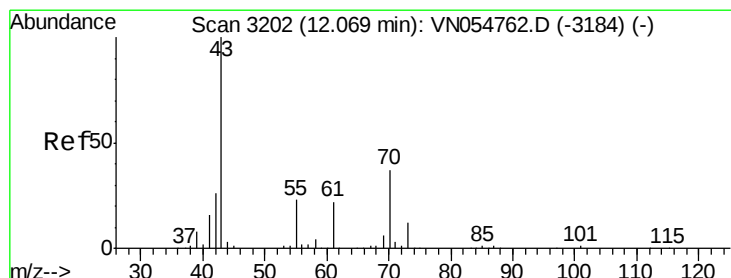
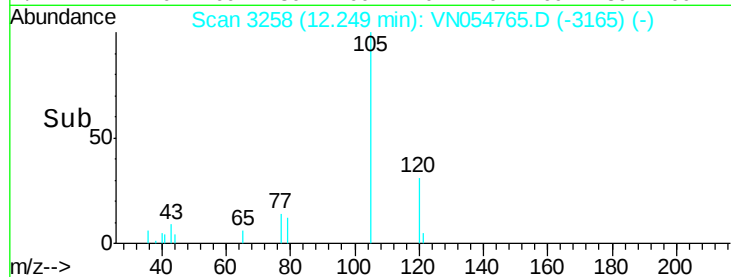
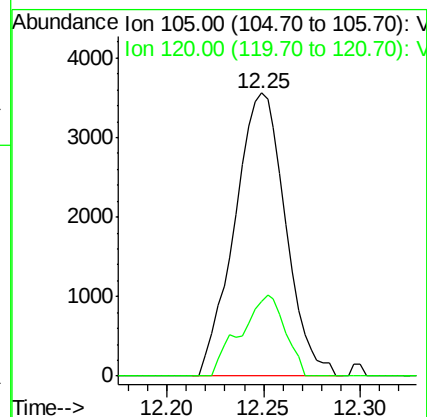
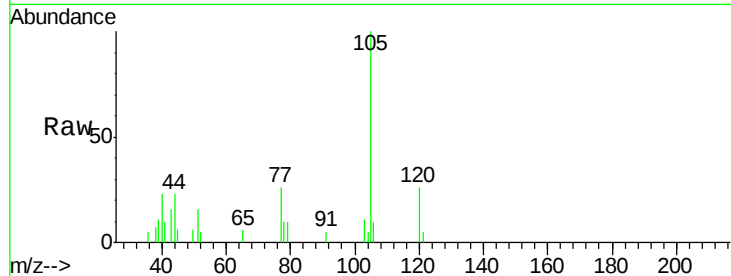
ClientSampleId :

Tot Ion: 105 Resp: 6521

Ion Ratio Lower Upper

105 100

120 25.2 13.8 41.3



#74

N-ethyl acetate

Concen: 1.49 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Tgt Ion: 43 Resp: 10810

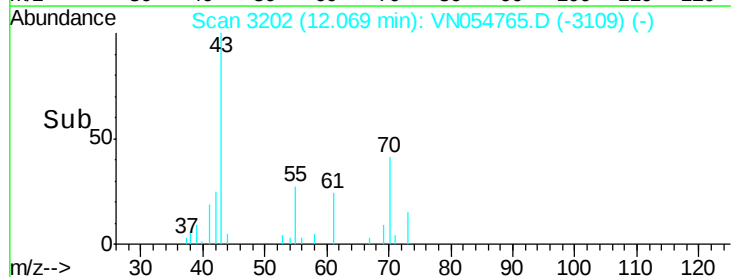
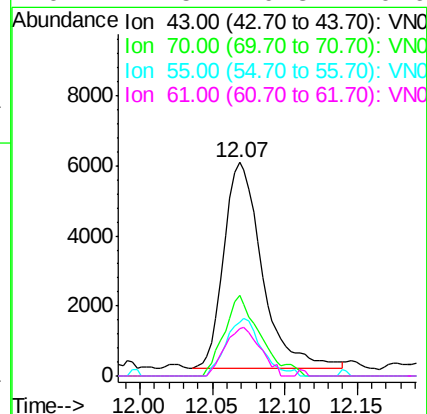
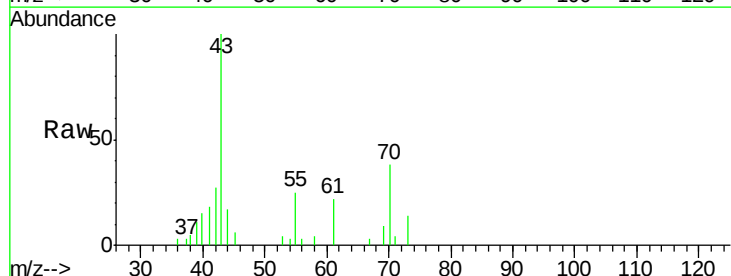
Ion Ratio Lower Upper

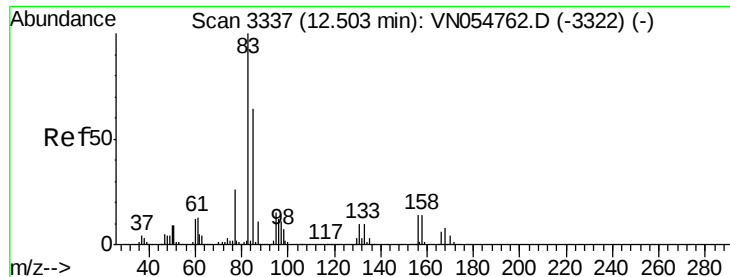
43 100

70 36.6 35.4 53.0

55 25.8 19.8 29.6

61 21.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

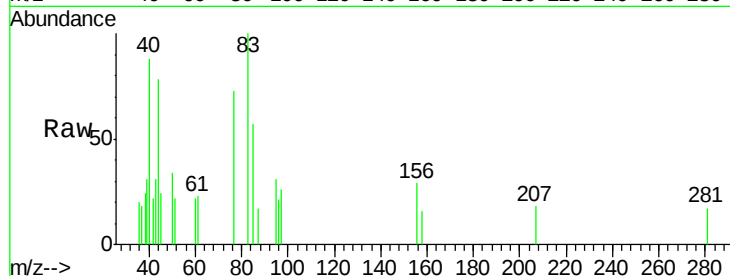
Tot Ion: 83 Resp: 1814

Ion Ratio Lower Upper

83 100

131 1.7 5.8 17.4#

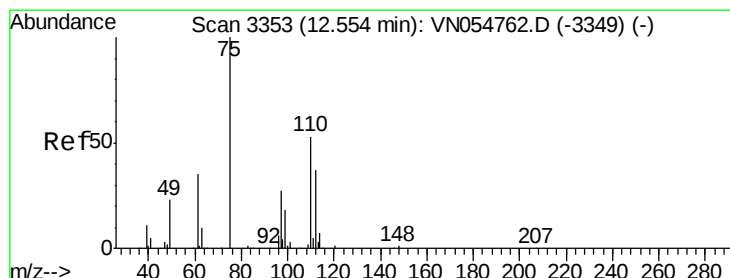
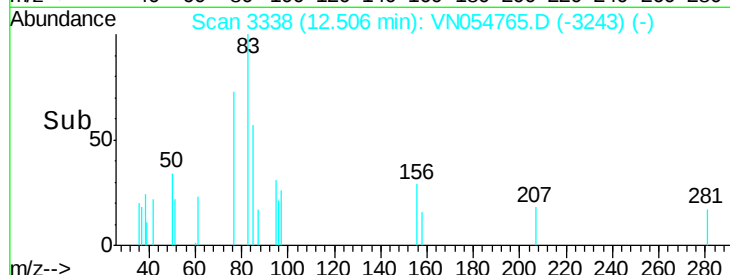
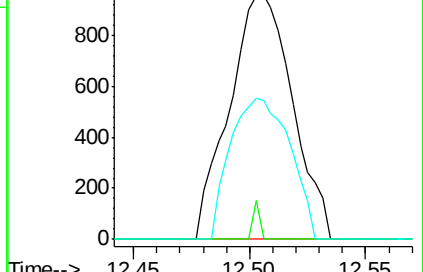
85 54.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 42.68 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054765.D

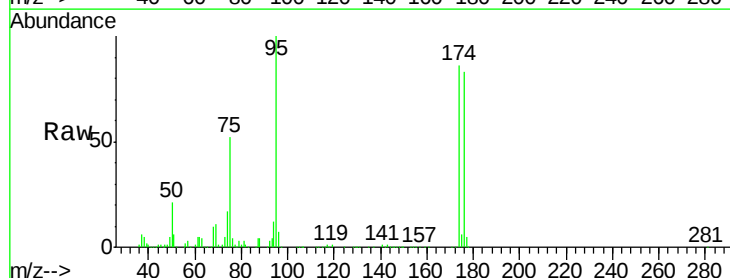
Acq: 29 Mar 2019 12:38

Tgt Ion: 75 Resp: 178876

Ion Ratio Lower Upper

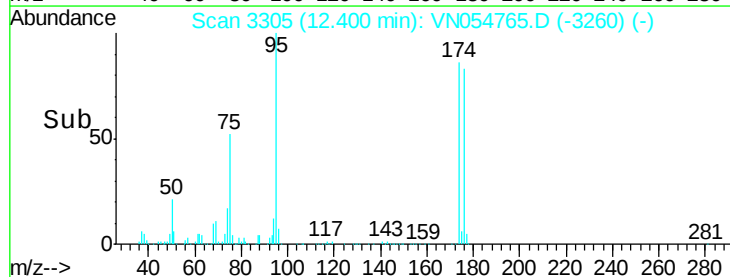
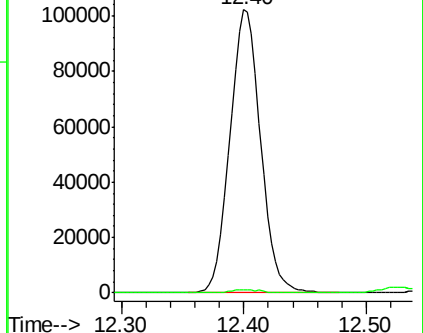
75 100

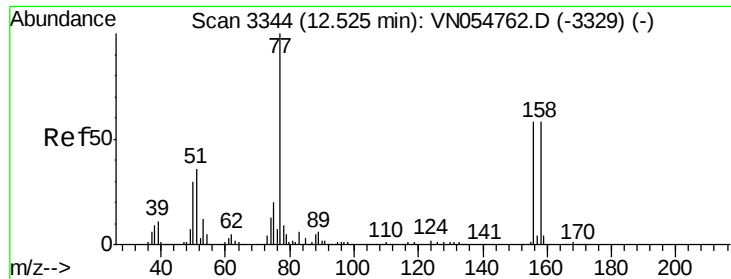
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.39 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

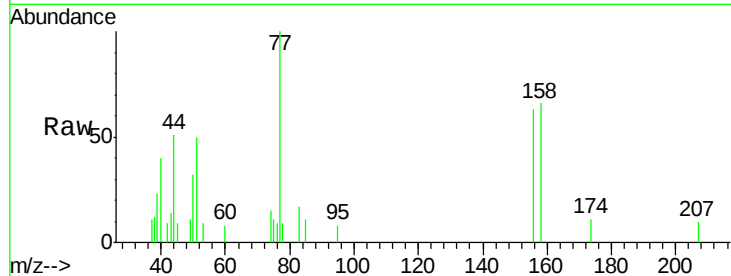
Tot Ion:156 Resp: 2176

Ion Ratio Lower Upper

156 100

77 214.8 81.5 244.4

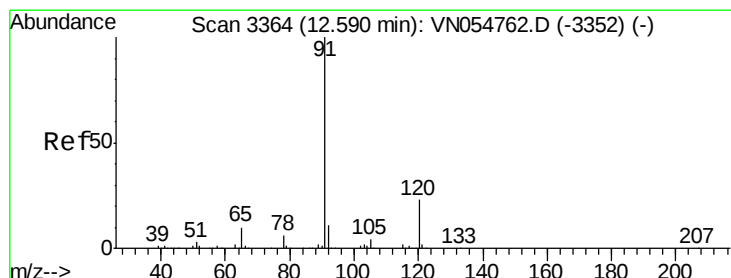
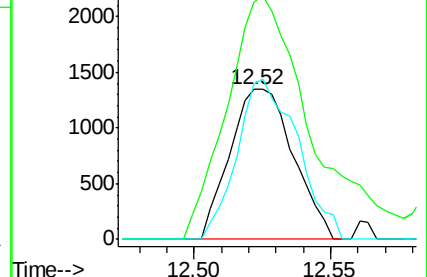
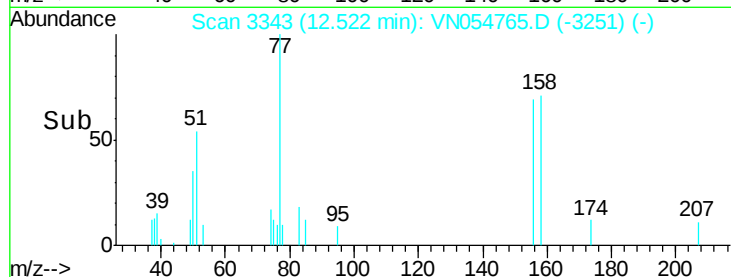
158 101.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.46 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054765.D

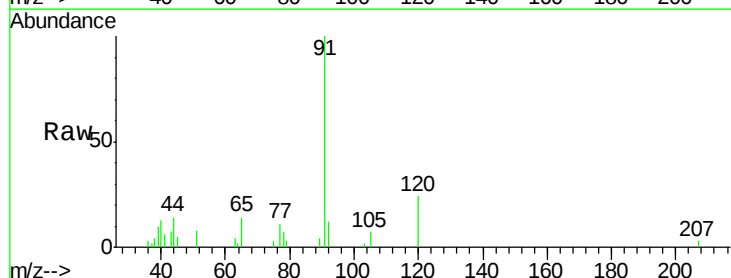
Acq: 29 Mar 2019 12:38

Tgt Ion: 91 Resp: 11741

Ion Ratio Lower Upper

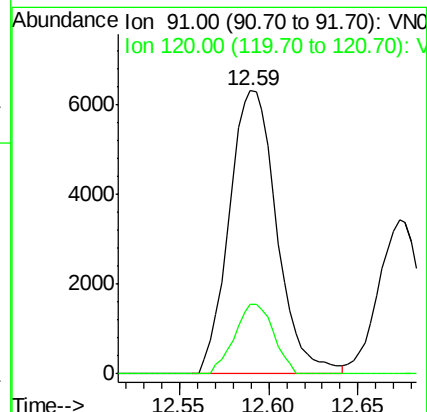
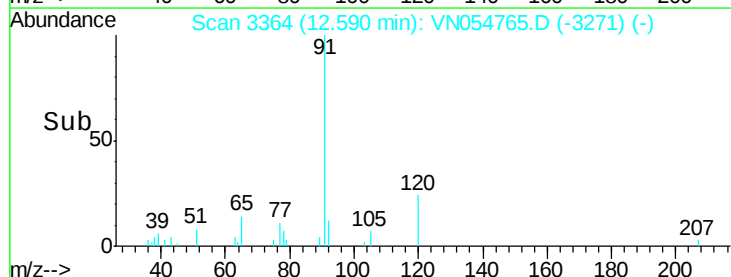
91 100

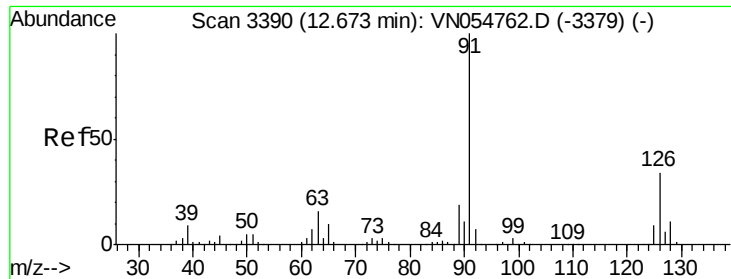
120 20.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

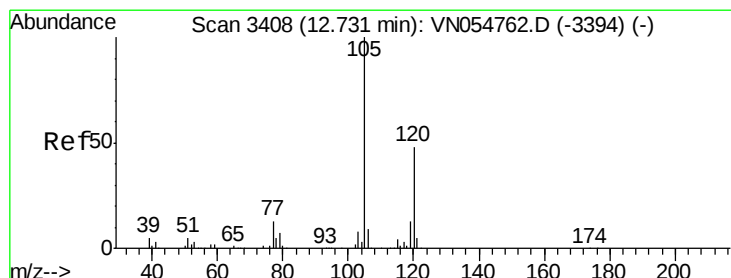
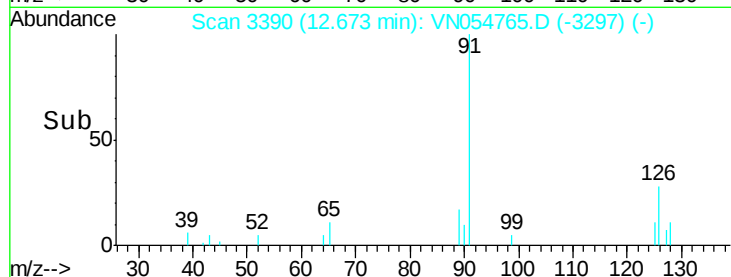
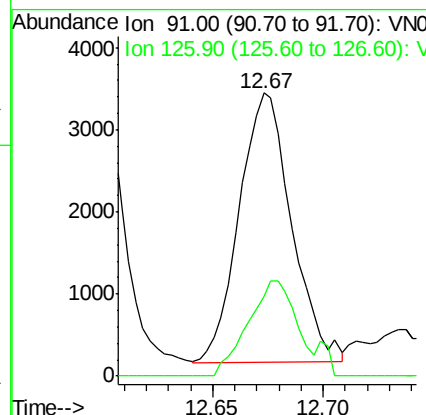
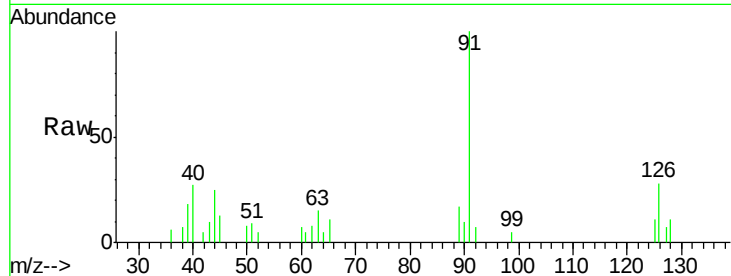




#79
 2-Chlorotoluene
 Concen: 0.34 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

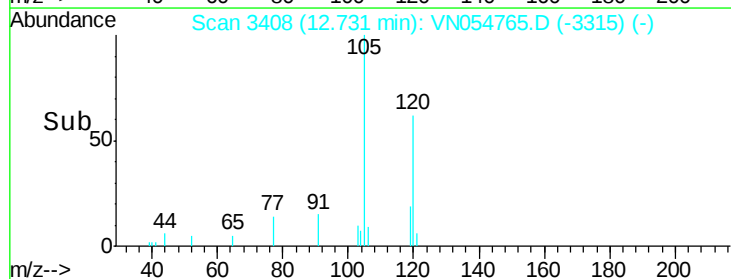
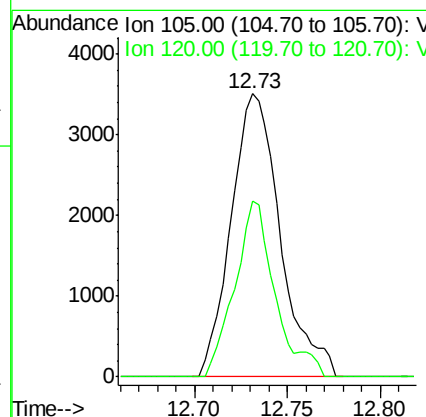
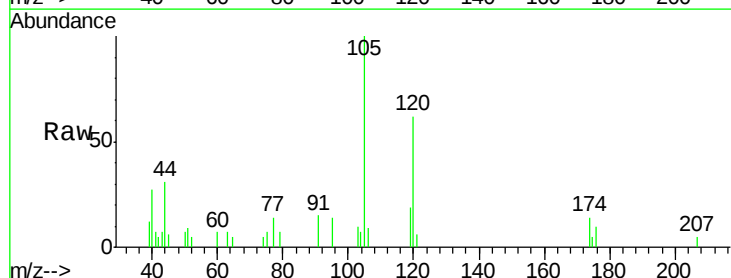
Instrument :
 MSVOA_N
 ClientSampled :

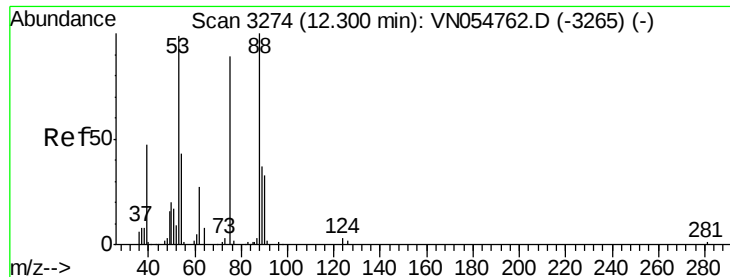
Tot Ion: 91 Resp: 5400
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 0.34 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Tgt Ion: 105 Resp: 6466
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 140.19 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

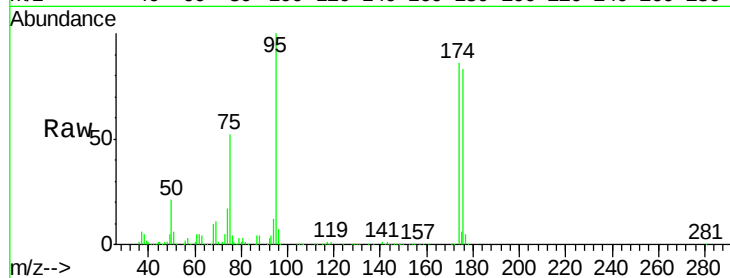
Tot Ion: 75 Resp: 178876

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

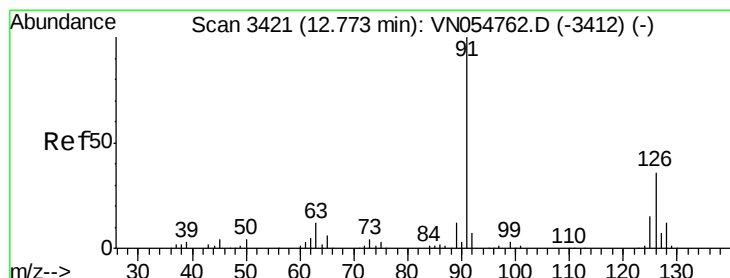
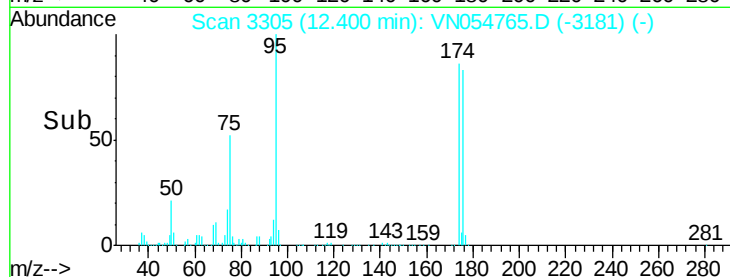
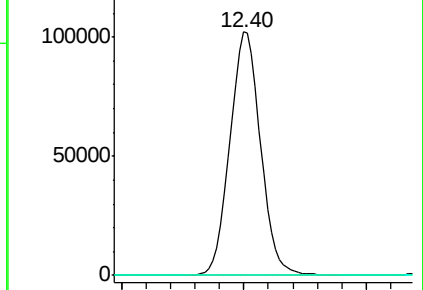
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 0.56 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054765.D

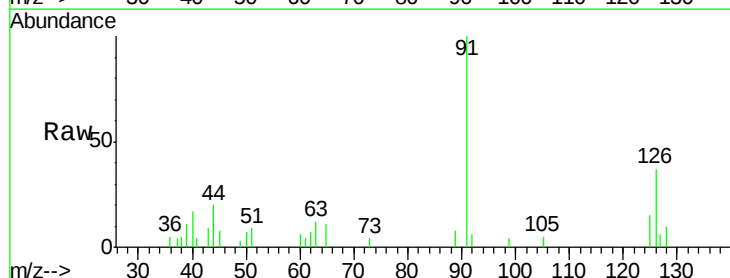
Acq: 29 Mar 2019 12:38

Tgt Ion: 91 Resp: 8591

Ion Ratio Lower Upper

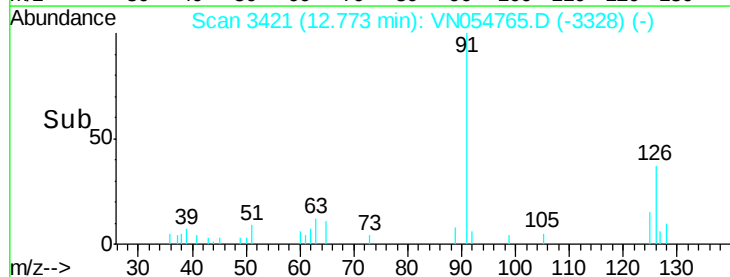
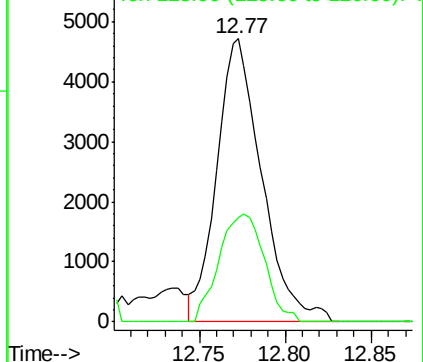
91 100

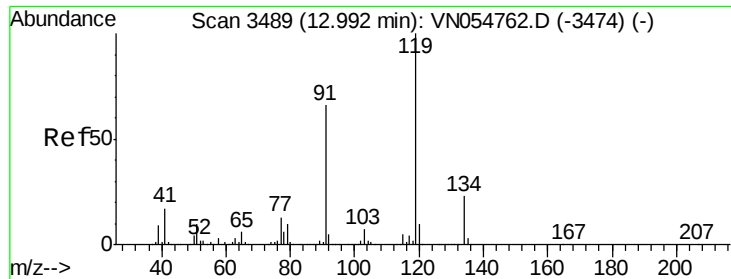
126 38.4 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V

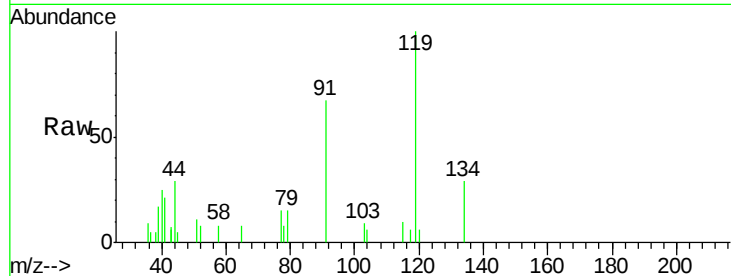




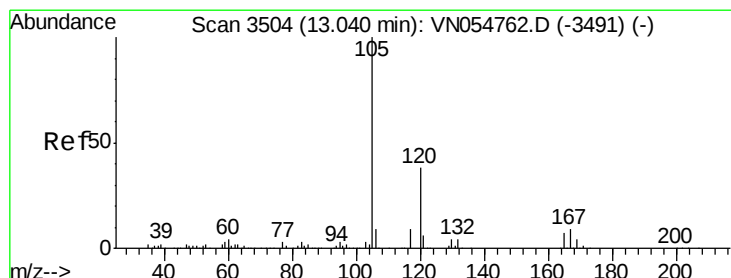
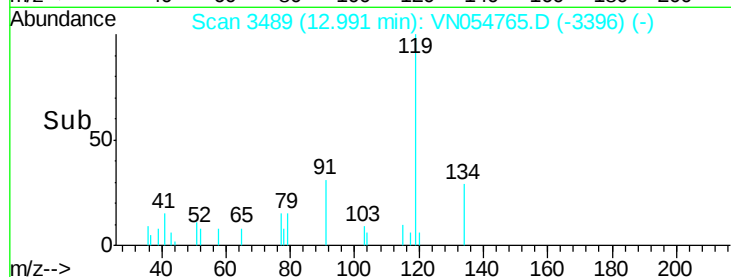
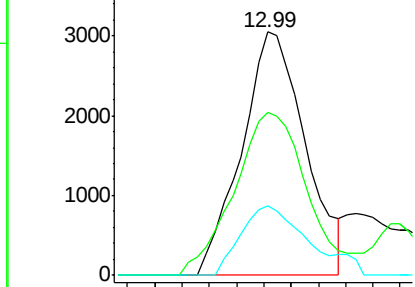
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 4941
Ion Ratio Lower Upper
119 100
91 76.3 30.9 92.8
134 30.2 13.2 39.6

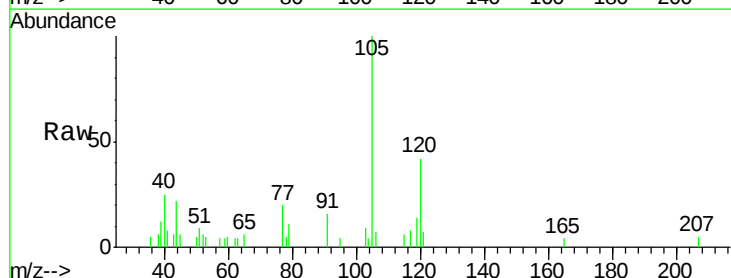


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

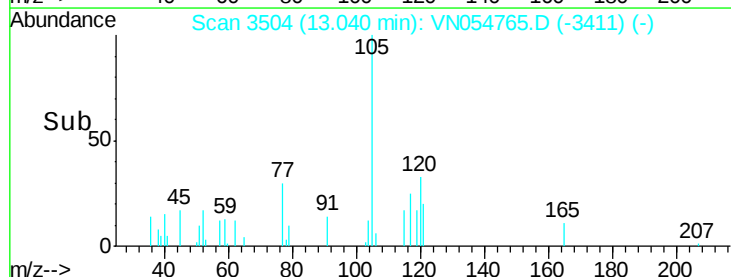
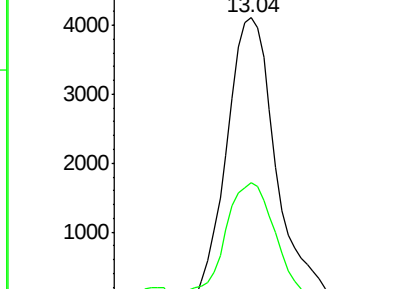


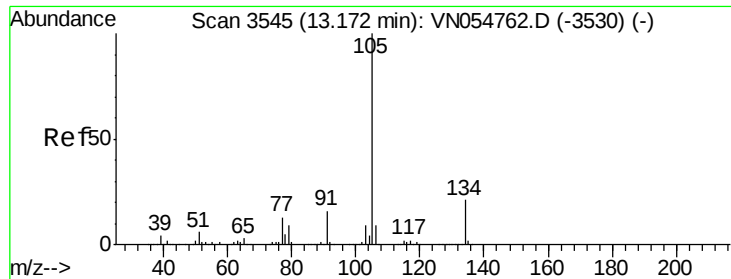
#84
1,2,4-Trimethylbenzene
Concen: 0.40 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054765.D
Acq: 29 Mar 2019 12:38

Tgt Ion:105 Resp: 7250
Ion Ratio Lower Upper
105 100
120 43.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.48 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

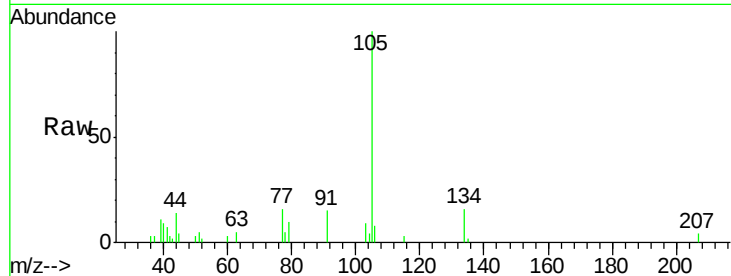
ClientSampleId :

Tot Ion:105 Resp: 10042

Ion Ratio Lower Upper

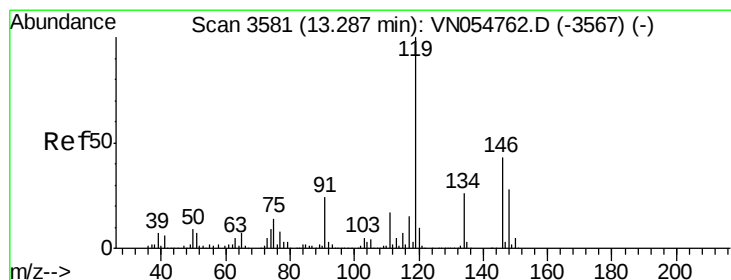
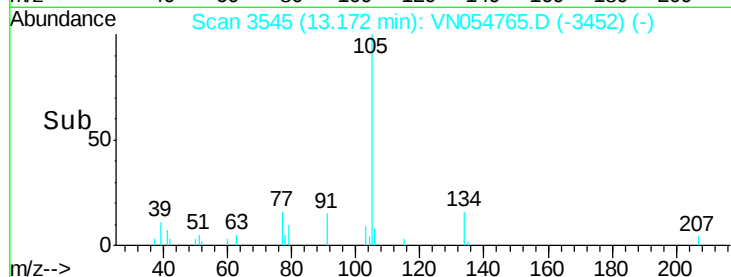
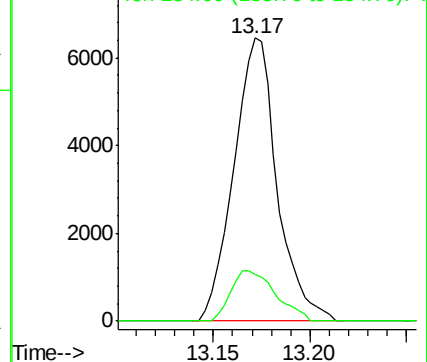
105 100

134 18.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.51 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

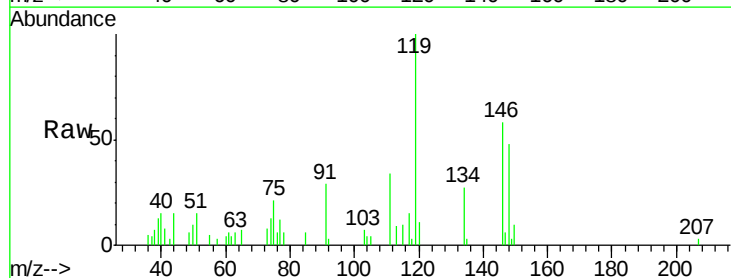
Tgt Ion:119 Resp: 9341

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

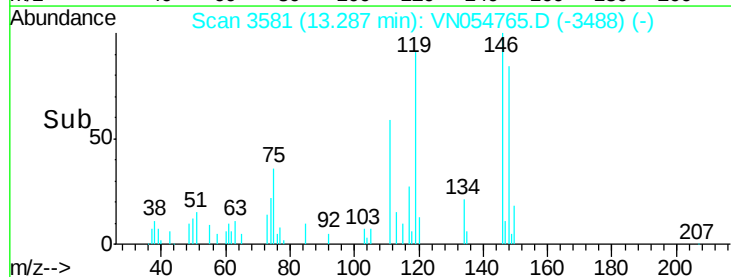
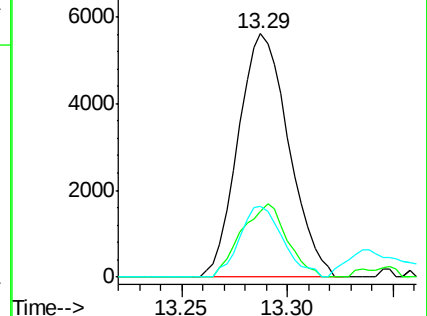
91 24.7 11.1 33.3

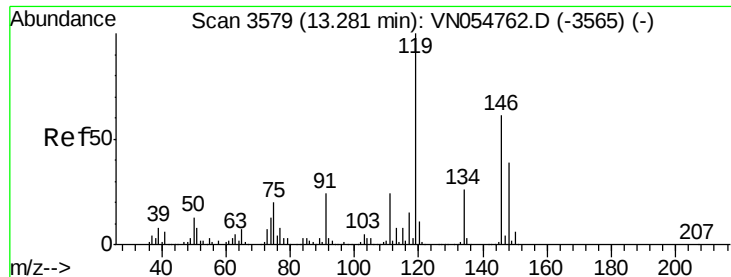


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

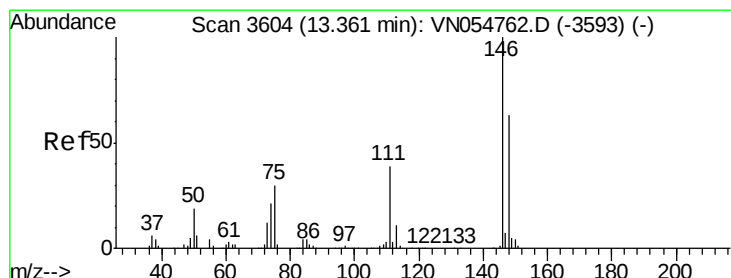
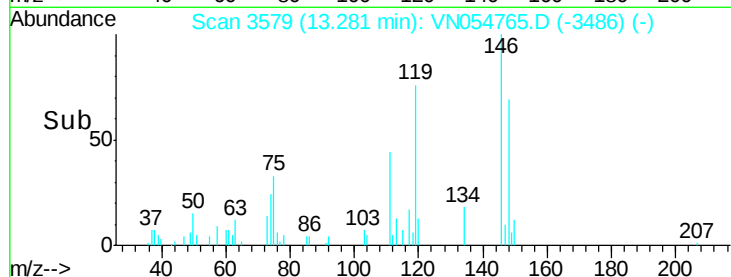
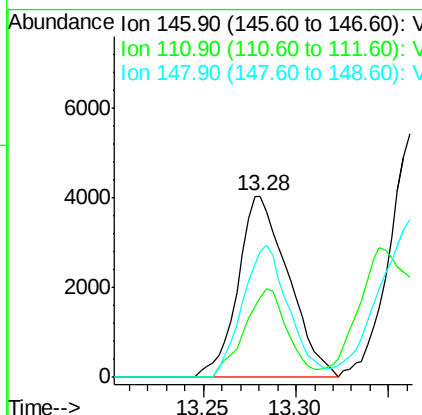
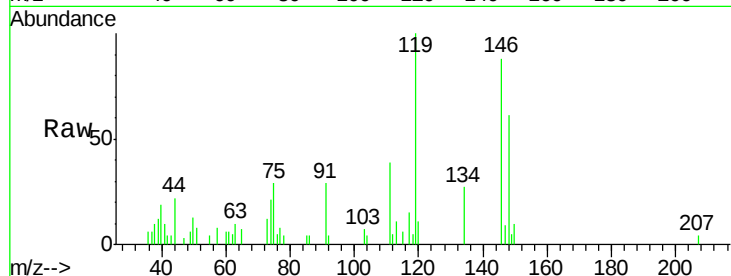




#87
 1,3-Dichlorobenzene
 Concen: 0.81 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

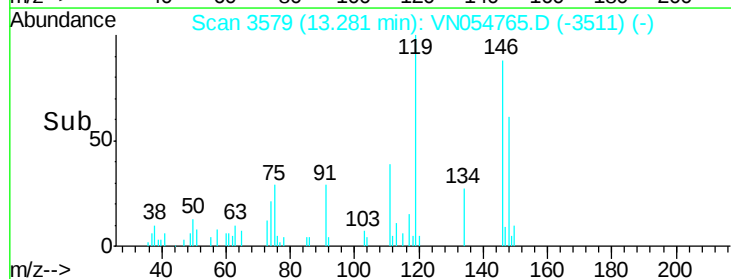
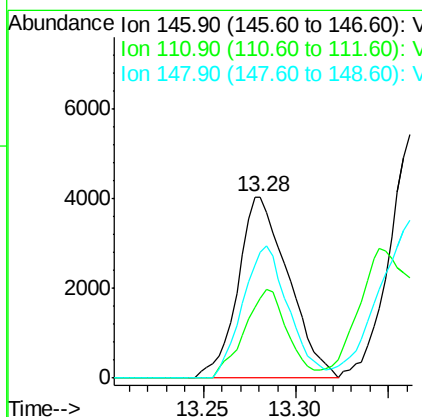
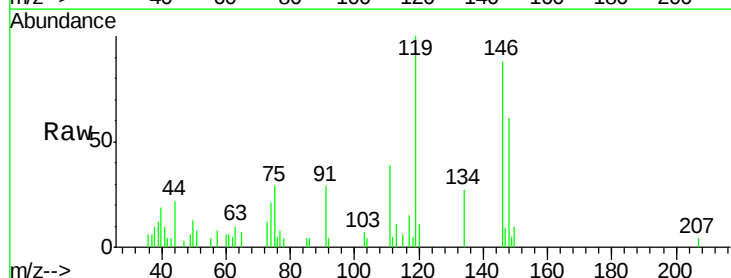
Instrument :
 MSVOA_N
 ClientSampled :

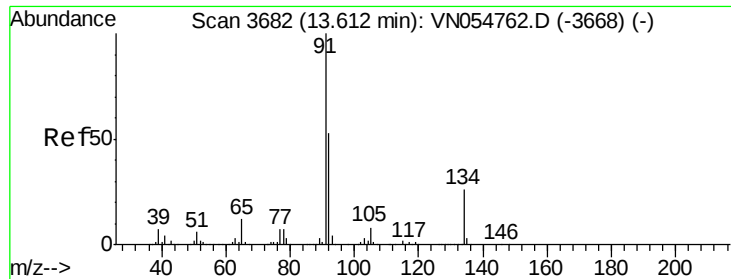
Tot Ion:146 Resp: 7626
 Ion Ratio Lower Upper
 146 100
 111 41.9 18.8 56.3
 148 65.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.82 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Tgt Ion:146 Resp: 7626
 Ion Ratio Lower Upper
 146 100
 111 41.9 18.1 54.1
 148 65.8 32.0 96.0





#89

n-Butylbenzene

Concen: 0.90 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

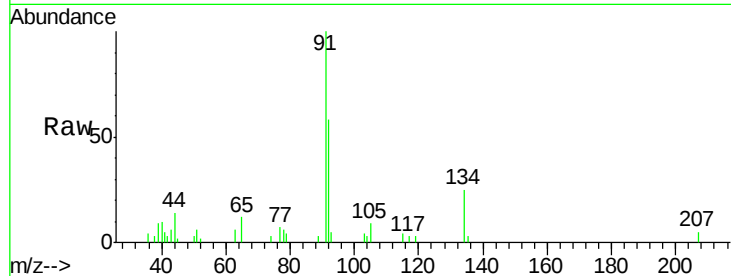
Tot Ion: 91 Resp: 13457

Ion Ratio Lower Upper

91 100

92 53.6 26.2 78.6

134 21.1 14.3 42.9

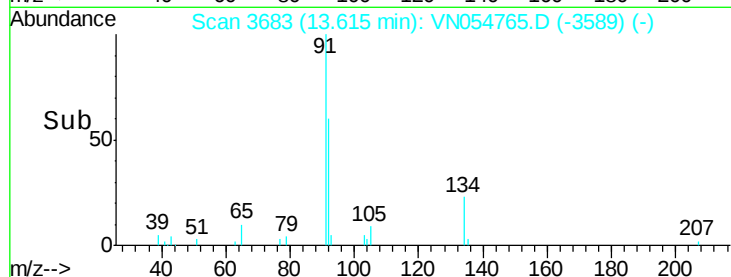


Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)

Time-->

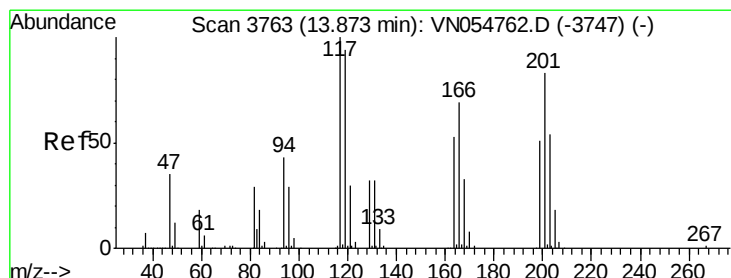


Abundance Ion 91.00 (90.70 to 91.70): VN054765.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054765.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054765.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 0.21 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054765.D

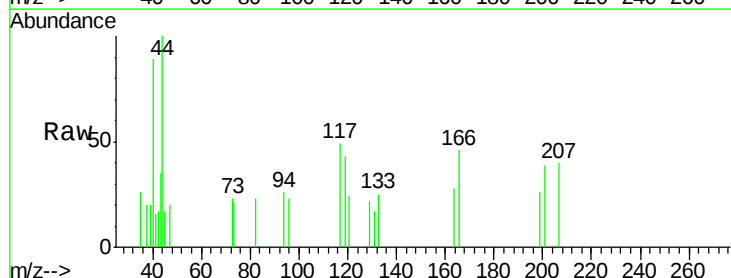
Acq: 29 Mar 2019 12:38

Tgt Ion: 117 Resp: 654

Ion Ratio Lower Upper

117 100

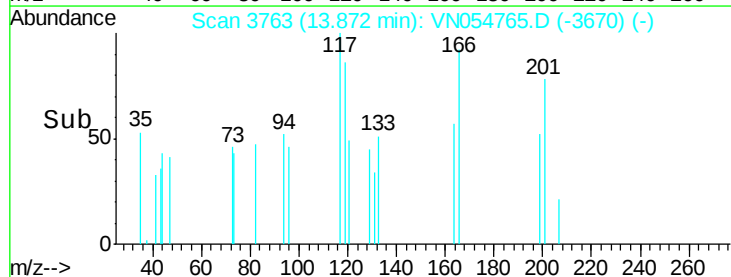
201 70.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)

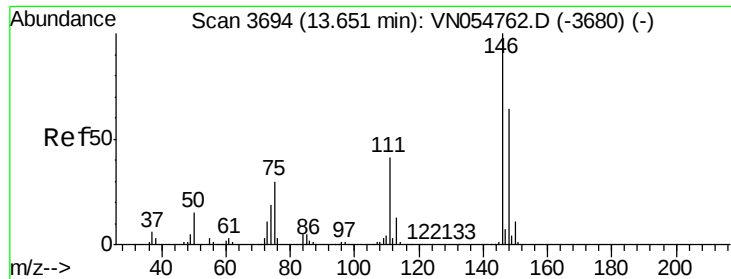
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054765.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054765.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.72 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

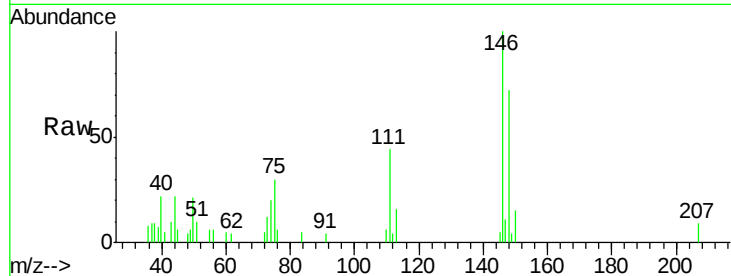
Tot Ion:146 Resp: 6815

Ion Ratio Lower Upper

146 100

111 42.2 19.1 57.3

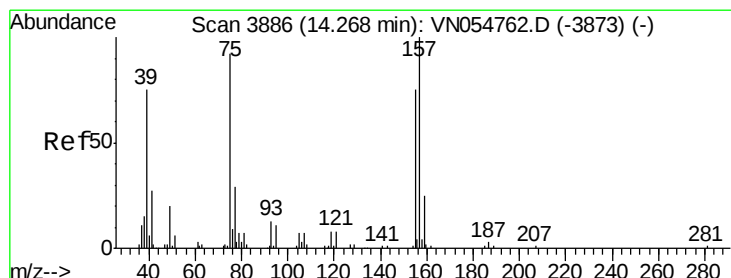
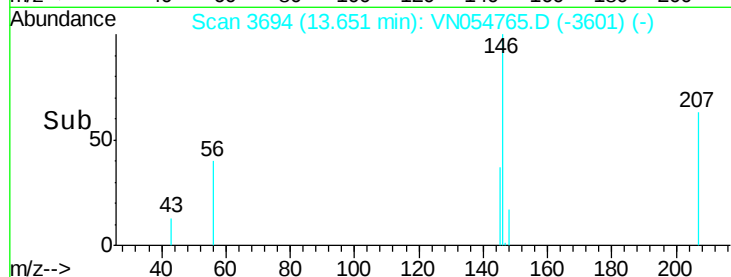
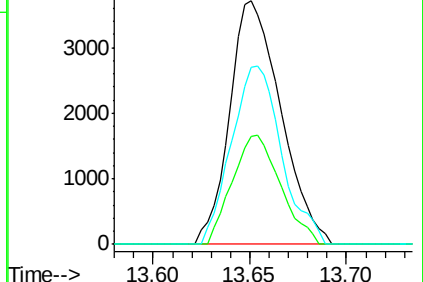
148 71.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.48 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.01 min

Lab File: VN054765.D

Acq: 29 Mar 2019 12:38

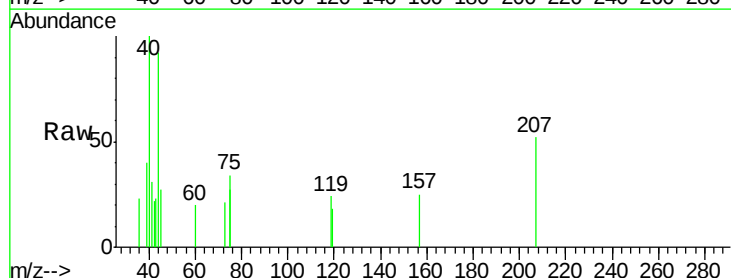
Tgt Ion: 75 Resp: 386

Ion Ratio Lower Upper

75 100

155 132.6 50.1 150.3

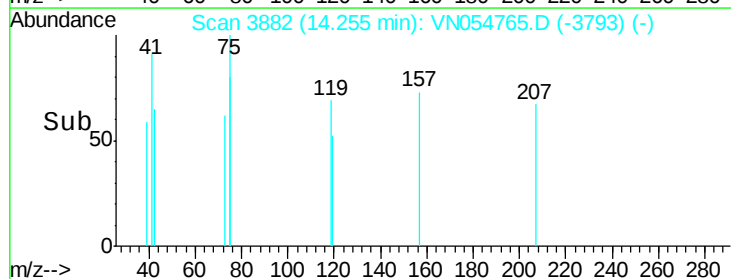
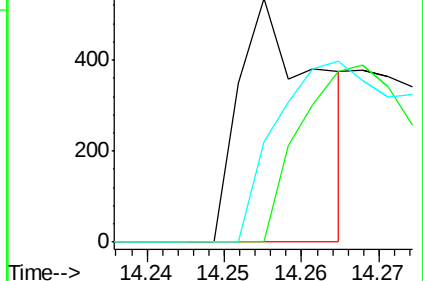
157 141.5 63.1 189.3

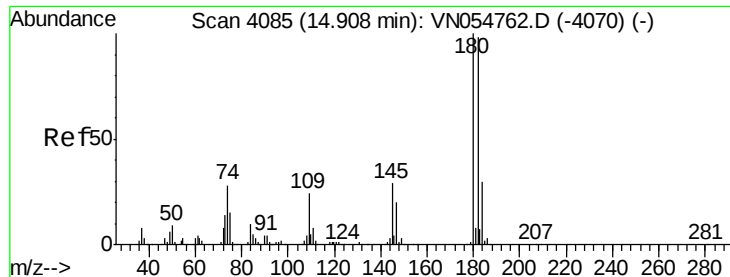


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

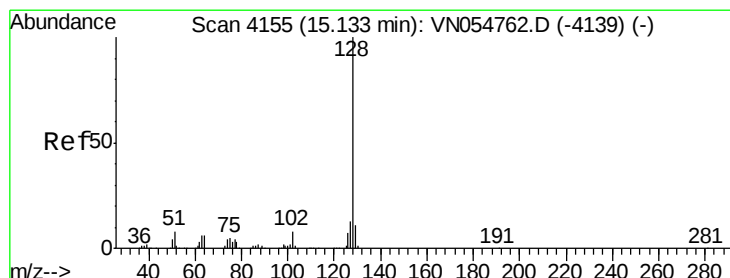
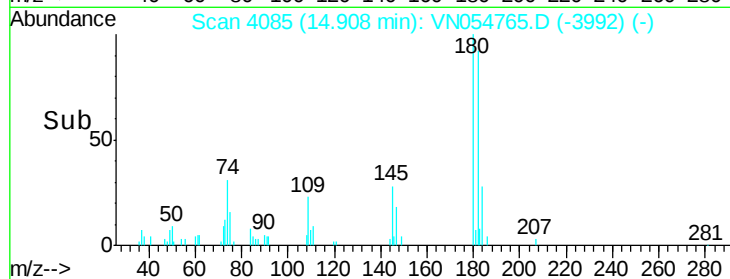
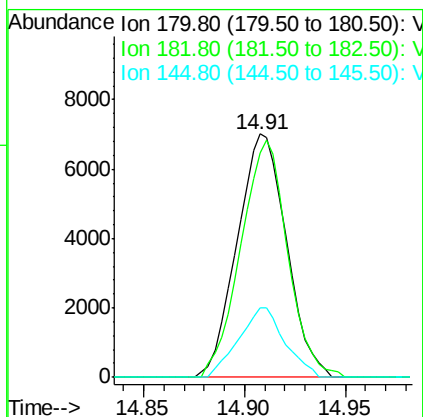
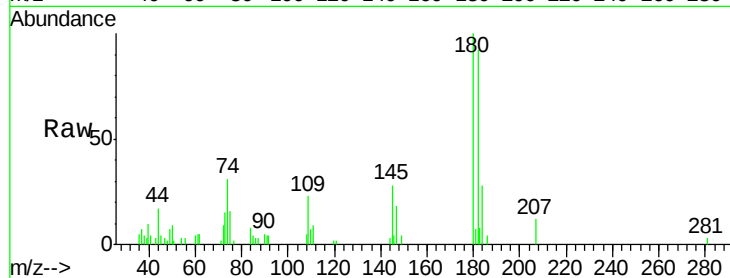




#93
 1,2,4-Trichlorobenzene
 Concen: 2.61 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

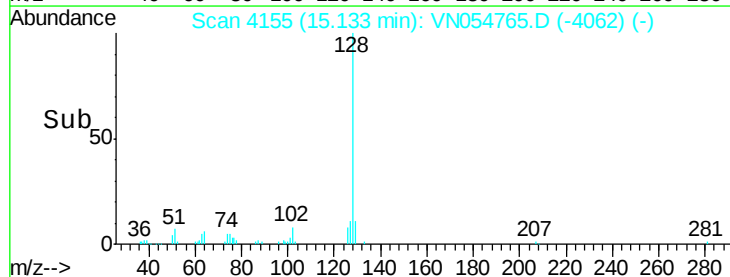
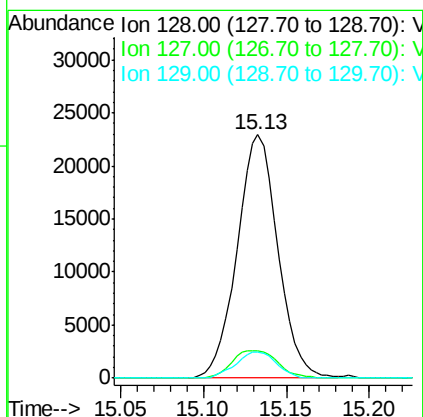
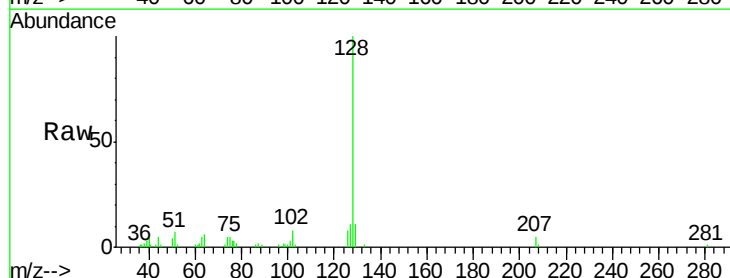
Instrument :
 MSVOA_N
 ClientSampled :

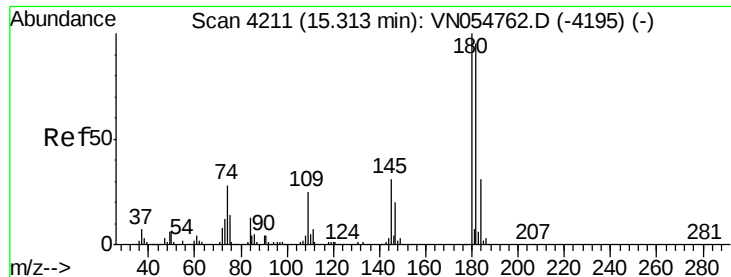
Tot Ion:180 Resp: 11981
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.0 144.2
 145 26.8 14.2 42.8



#95
 Naphthalene
 Concen: 3.81 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Tgt Ion:128 Resp: 39233
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.1 15.1
 129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.96 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054765.D
 Acq: 29 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.5	142.6
145	31.1	14.8	44.3

